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TAQUAC, GUAM ISLAND

RANGE REFERENCE ATMOSPHERE
0-30 KM ALTITUDE

SEPTEMBER 1983

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METEOROLOGY GROUP
RANGE COMMANDERS COUNCIL

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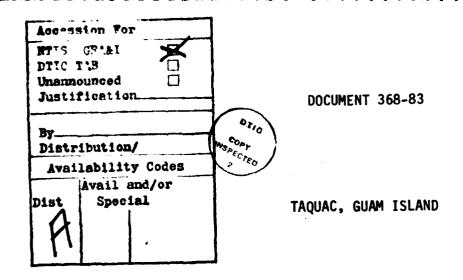
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RANGE REFERENCE ATMOSPHERE 0-30 KM ALTITUDE

September 1983

Prepared by

Range Reference Atmosphere Committee Meteorology Group Range Commanders Council

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LIST OF ORGANIZATION ACRONYMS

AD Armament Division

AFFTC Air Force Flight Test Center

AFSC Air Force Systems Command

AFSC/AFGL AFSC/Air Force Geophysics Laboratory

AFSC/Space Division

AFSCF Air Force Satellite Control Facility

AFTFWC Air Force Tactical Fighter Weapons Center

AWS Air Weather Service

BMD Ballistic Missile Division

DOD Department of Defense

DOE Department of Energy

DOE/NTS DOE/Nevada Test Site

DPG Dugway Proving Ground

ESMC Eastern Space and Missile Center

ETR Eastern Test Range

KMR Kwajalein Missile Range

NASA National Aeronautics and Space Administration

NASA/MSFC NASA/Marshall Space Flight Center

NASA/WFC NASA/Wallops Flight Center

NOAA National Oceanic and Atmospheric Administration

NWC Naval Weapons Center

PMTC Pacific Missile Test Center

USA/DTC U.S. Army/Deseret Test Center

USAECOM U.S. Army Electronics Command

USAFETAC United States Air Force Environmental Technical

Applications Center

UTTR

Utah Test and Training Range

WSMC

Western Space and Missile Center

WSMR

White Sands Missile Range

WTR

Western Test Range

YPG

Yuma Proving Ground

6585TG

6585th Test Group

TSCF

Targeting Systems Characterization Facility

FOREWORD

Atmospheric parameters are essential to the research and development of missiles and aerospace vehicles. In the early 1960's, the need was recognized for realistic atmospheric models derived in a consistent manner for each of the several major test ranges. An atmospheric model derived from statistical data for a particular geographical location is referred to as a reference atmosphere.

The first Range Reference Atmosphere (RRA) was issued in 1963 by the Inter-Range Instrumentation Group (IRIG) for Cape Kennedy, Florida, and was followed by additional publications for several ranges up to 1974. Since that time, improved upper air data bases have become available from which to develop the RRA. These resulted from the extended period of records and from improvement in the upper air measuring program by rocketsondes for altitudes above the rawinsonde ceiling of 30 km. Revised and improved RRAs are justified for the following reasons:

- 1) Needs for more definitive statistical atmospheric models have arisen because of changes and advances in aerospace technology. The Space Transportation System (Space Shuttle) is one example.
- 2) Most ranges now have an extended and improved upper air data base from which to develop a more definitive RRA.
 - 3) There are requirements for RRAs for new ranges and range sites.
- 4) There have been scientific advances in understanding the upper atmospheric structure and physical relationships.
- 5) Advances in statistical modeling techniques have been made because of the general availability of high-speed electronic computers. These have led to the adoption of advanced concepts in atmospheric modeling.

For these reasons, the Range Reference Atmosphere Committee (RRAC) was tasked by the Range Commanders Council Meteorology Group (RCC MG) to establish new and improved RRAs. The purpose, scope, and objectives of this task are outlined in the following paragraphs.

<u>Purpose</u>: This committee, Task MG-1, establishes RRAs for the several ranges as provided by the RCC. An RRA is a model of the Earth's atmosphere over a geographical location of interest, for use by DOD and other U.S. Government range users. The RRA is used to provide planning data for evaluating environmental constraints for the particular configurations of environment-sensitive systems and components being developed or undergoing tests.

Scope: Using the best available upper atmosphere data base to include rawinsonde, rocketsonde and possibly other high-altitude data sources for the range location, the task is to establish a model of certain statistics for wind and thermodynamic quantities derived in a uniform manner and published in a standardized format.

Objectives: The wind statistics shall be, insofar as practical, modeled to be consistent with rigorous mathematical probability properties of the multivariate normal probability theory. The thermodynamic quantities statistics shall be, insofar as practical, modeled to be consistent with the hydrostatic equation, the equation of state, and the probability principles that are related through these physical equations. The document shall serve as an authoritative source of information and as an atmospheric model for a particular range. The first in the series of revised RRAs to be published is for Kwajalein Missile Range (KMR) (publication date December 1982). The altitude range required for KMR is 0 to 70 km. The order of priority for the subsequent publications is:

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	Range	Altitude Range Required
1.	AFFTC/Edwards AFB, CA	$0 - 70 \text{ km}^{\alpha}$
2.	ESMC/Cape Canaveral AFS, FL	0 - 70 km
3.	WSMC/Vandenberg AFB, CA	0 - 70 km^{α}
4.	WSMR/White Sands, NM	0 - 70 km
5.	PMTC/Point Mugu, CA	0 - 70 km
6.	UTTR/Dugway (Michael AAF), UT	$0 - 30 \text{ km}^b$
7.	AD/Eglin AFB, FL	0 - 30 km
8.	ESMC/Ascension Island	0 - 70 km (Terminates at 66 km because of insufficient data)
9.	NASA/Wallops Flight Center, VA	0 - 70 km
10.	Taquac (Guam)	0 - 30 km
11.	PMTC/Barking Sands, HI	0 - 70 km

In keeping with the RCC's objective of standardization, the modeling techniques, basic text, and tabulation format are to be the same for all RRAs. These new and revised RRAs present not only the mean values of the thermodynamic quantities (pressure, temperature, virtual temperature, and density), but also include statistical measures for the dispersion (i.e., standard deviations and skewness coefficients). New quantities presented are water vapor pressure and dewpoint temperature. The statistical modeling for the wind is entirely new. The new approach uses the properties of the bivariate normal probability distribution function.

a. Use rocketsonde data from PMTC/Point Mugu for altitudes above 30 km.

All final computations were performed by the United States Air Force Environmental Technical Applications Center (USAFETAC) in response to a task from Eastern Space and Missile Center (ESMC).

The text was prepared jointly by USAFETAC and the NASA/George C. Marshall Space Flight Center's Space Sciences Laboratory, Atmospheric Sciences Division. The editing and preparation of the draft manuscript were performed by the NASA/MSFC organization.

The cochairmen express their gratitude to all RRAC members and their respective colleagues who have made significant technical contributions to the establishment of these RRAs.

Special thanks are tendered to Lt. B. Novograd for his dilligence in forming the many computations and the development of the primary tables, I through IV. Special thanks goes to Lt. F. Wirsing for editing and formulating the equations for the derivable thermodynamic equations. These gentlemen performed this outstanding work under the direction of Major B. Lilius, USAFETAC.

Grateful acknowledgment goes to Mrs. Annette Tingle, NASA/MSFC, for editing the draft manuscript.

The RRAC consists of representatives from the U.S. Air Force, U.S. Army, National Aeronautics and Space Administration, U.S. Navy, and National Oceanic and Atmospheric Administration. The committee members for the RRA for the first publication are:

- G. G. Boire, WSMC
- O. H. Daniel, ESMC
- R. de Violini, PMTC
- F. G. Finger, NOAA/NWS
- E. E. Fisher, HQ AFSC
- B. R. Hixon, PMTC
- J. M. Hobbie, KMR
- E. J. Keppel, AD
- S. F. Kubinski, WSMR
- F. J. Schmidlin, NASA/WFC
- O. E. Smith Cochairman, NASA/MSFC

Maj. B. W. Galusha Cochairman, USAF/ETAC

CHAPTER I. INTRODUCTION

A. Definition and Purpose of the Range Reference Atmosphere

A.1 Definition

A reference atmosphere is a statistical model of the Earth's atmosphere derived from upper air measurements over a particular geographical location. Hence, these Range Reference Atmospheres (RRAs) are atmospheric models developed by the Range Reference Atmosphere Committee (RRAC) in response to a task by the Range Commanders Council Meteorology Group (RCC MG) and published by the RCC Secretariat. The RCC MG, formerly called the Inter-Range Instrumentation Group/Meteorology Working Group (IRIG/MWG), published a series of RRAs during the period 1963 through 1974.

A.2 Purpose

A series of revised and expanded RRAs are to be published for locations of interest to the RCC. These publications are to serve as authoritative reference sources on certain upper air statistics and as atmospheric models for particular range sites. The technical usefulness of these documents for the ranges, range users, U.S. aerospace industries, and the scientific community is recognized because of the standardization of the development techniques and the presentation of the tabulations.

B. Scope of the Range Reference Atmosphere and Arrangement of Tables

B.1 Scope

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The RRA contains tabulations for monthly and annual means, standard deviations, and skewness coefficients for windspeed, pressure, temperature, density, water vapor pressure, virtual temperature, and dewpoint temperature; the means and standard deviations for the zonal (U) and meridional (V) wind components; and the linear (product moment) correlation coefficient between the wind components. These statistical parameters are tabulated at the station elevation, at 1-km intervals from sea level to 30 km, and at 2-km intervals from 30 to 90 km. The wind statistics are given at approximately 10 m above the station elevations and at altitudes with respect to mean sea level thereafter. For those range sites without rocketsonde measurements, the RRAs terminate at 30 km altitude, or they are extended, if required, when rocketsonde data from a nearby launch site are available. There are four sets of tables for each of the 12 monthly reference periods and the annual reference period.

B.2 Arrangement of Tables

The statistical parameters for the RRA models are presented in four tables, as outlined in the following paragraphs.

Table I contains all the wind statistical parameters. This table gives the monthly and annual means and standard deviations of the U and V wind components and the linear (product moment) correlation coefficient between these

two components; the mean, standard deviation and skewness coefficient of the windspeed; and the number of wind observations (sample size).

Table II contains the monthly and annual means, standard deviations, and skewness values of pressure, temperature, and density, and the number of observations used for each of these thermodynamic quantities.

Table III contains the monthly and annual means, standard deviations and skewness values of the water vapor pressure, virtual temperature and dewpoint, and the number of observations for each of these moisture-related quantities. The statistical parameters for water vapor pressure and dewpoint terminate at 15 km altitude. Above 15 km the statistical parameters for virtual temperature are considered to be the same as those for temperature.

Table IV contains the monthly and annual mean atmospheric models for the thermodynamic variables: pressure, virtual temperature, and density. This table is derived from the monthly and annual mean virtual temperature versus altitude (geometric) using the hydrostatic equation and the equation of state. Also presented is the geopotential height corresponding to the tabulated geometric altitudes.

The physical unit for all wind parameters is meters per second. The physical unit for pressure is millibars; for temperature and virtual temperature, degrees Kelvin; for density, grams per cubic meter; and for water vapor pressure, millibars. In all cases the skewness coefficient and the correlation coefficient between wind components are unitless. All reference to altitude is geometric altitude and is expressed in kilometers. All reference to height is geopotential height and has the unit geopotential meters or kilometers. All geometric altitudes and geopotential heights are with respect to mean sea level.

C. Data Quality Control Procedures

A small portion (less than 10 percent) of the soundings in the data base used to calculate the RRA tables contained erroneous data values. The soundings which contained these erroneous values were eliminated from the data base using the following procedures:

- 1) Soundings containing gaps in their height data greater than 200 mb were rejected. This step was taken because some soundings only contained height values at their "mandatory" pressure levels, which were occasionally missing, resulting in soundings with no height information at all.
- 2) An initial set of RRA statistics was computed using all the remaining soundings. This initial set of statistics was used to determine data limits for the temperature, pressure, U and V components of the wind, and the dewpoint (for the 0- to 30-km portion of the RRA) or the density (for the 30- to 90-km portion of the RRA). The lower (upper) data limits were set at the mean value for a specific parameter, minus (plus) six standard deviations of that quantity. One pair of data limits was computed for each of these parameters: month of the year and data level.

- 3) This initial set of data limits was then used to screen the data base. All the soundings that contained values outside these data limits were rejected. A new RRA was then computed using the screened data base. This second RRA was used to generate a second set of data limits.
- 4) The second set of data limits was then used to screen the data base further. A new RRA was again generated. The skewness values in this RRA were then evaluated, according to empirical criteria specified in section II.A.3 of this document for the winds, and according to criteria in section III.A.3 for the thermodynamic quantities. If these criteria were satisfied, the new RRA was then used to generate a final set of data limits, which were used to control the quality of the data base for the final version of the RRA.
- 5) Occasionally, the third RRA that was generated did not satisfy all of the skewness criteria. This indicated that some incorrect values were still present in the data base. To complete quality control, steps 3 and 4 were repeated for additional iterations (usually one or two) until the resulting RRA satisfied the skewness criteria. At that point, a final set of data limits was generated. This final set of data limits was then used to control the quality of the data base and generate the final RRA.

D. Organization of the Chapters

Because there are plans to publish a series of RRAs, comments on the special organization of the document are in order. The RRA document is arranged in four chapters. Chapter I is the introduction. Chapter II, Wind Statistics and Models, contains the techniques used to arrive at the wind statistical parameters, table I, and the probability functions that are to be used as wind models to derive several wind statistics. Chapter III, Statistics of Thermodynamic Quantities and Models, contains the techniques used to arrive at the thermodynamic and moisture-related statistical parameters given in tables II and III and the atmospheric thermodynamic model presented in table IV. This chapter also contains sets of equations to calculate several atmospheric properties. Chapter IV contains the general conclusions and recommendations. These four chapters are reprinted without change for each documented RRA to assure consistency and for expediency in preparing the documentation. To account for variations particular to a specific RRA, two appendixes have been included. Appendix A, Examples of Wind Statistics, is designed to give a few illustrative examples of wind statistics for the specific RRA and cursory observations, comparisons, or comments on wind statistics. Appendix B, Range Specific Information, is designed to present specific information particular to the range, such as geographical location, data base, etc., and any cursory observations or comments on the thermodynamic quantities.

Read these appendixes! They are located as the last two units in the document because they may vary in length depending on the circumstances. Appendixes A and B and tables I, II, III, and IV are the only differences among the RRA documents published in this new RRA series.

CHAPTER II. WIND STATISTICS AND MODELS

A. General Considerations

A.1. Objectives

An objective of the RRA is to furnish minimum tabulation for the wind statistics. To meet this objective, the bivariate normal probability distribution was adopted as a statistical model for the wind treated as a vector quantity at the RRA data levels. Only five statistical parameters are required to completely describe this probability function. In Cartesian coordinates these parameters are the means and standard deviations of the two orthogonal components and the correlation coefficient between the two components. These five statistical parameters for the U and V (meteorological coordinates) components are given in table I. The statistical properties of the bivariate normal probability distribution are used to derive many wind statistics that are of interest to the ranges and range users. This procedure produces consistent wind statistics that are connected through rigorous mathematical probability functions. By using these functions, extensive tabulations of wind statistics are avoided.

The statistical properties of the bivariate normal probability distribution presented for the vector wind statistical model are:

- 1) The wind components are univariate normally distributed.
- 2) The conditional distribution of one component given a value of the other component is univariate normally distributed.
 - The windspeed is of the form of a generalized Rayleigh distribution.
 - 4) The frequency distribution of wind direction can be derived.
- 5) The conditional distribution of windspeed given a value of wind direction (wind rose) can be derived.
- 6) The five tabulated wind statistical parameters with respect to the meteorological U and V coordinate system can be derived for any arbitrary rotation of the orthogonal axes.

The probability distribution functions and sets of equations to derive wind statistics for the previously stated properties of the vector wind model are presented in this chapter. Symbols used are summarized in table A. Illustrative examples are presented in appendix A. No attempt is made to give the derivation of the probability functions. The reader is referred to Smith (1976) for some derivations and several applications of the probability distribution properties for wind statistics.

A.2. Data Quality Control

The U and V components of the wind were used to generate data limits set at plus and minus six standard deviations from the mean for each of the

TABLE A. LIST OF SYMBOLS USED IN CHAPTER II

- N The number of wind measurements in table I
- r A general variable for the bivariate normal probability distribution in polar coordinates
- R A generalized Rayleigh variable used for derived windspeed probability distribution
- R (U, V) The linear (product moment) correlation coefficient between the zonal and meridional wind components in table I
- SK (W) Skewness parameter for windspeed in table I
- S (U) The standard deviation of the zonal wind component in table I
- S (V) The standard deviation of the meridional wind component in table I
- S (W) The standard deviation of windspeed in table I
- t A standardized normal variate used in text table B
- U The zonal wind component
- UBAR The mean value of the zonal wind component in table I
- V The meridional wind component
- VBAR The mean value of the meridional wind component in table I
- W Windspeed or modulus of wind vector, a scalar quantity
- WBAR The mean value of windspeed in table I
- X A general component variable or coordinate axis
- Y A general component variable or coordinate axis
- \overline{X} A general component mean value in the [x,y] coordinate system
- \overline{Y} A general component mean value in the [x,y] coordinate system
- α (alpha) Rotation angle for the [x,y] coordinate system

TABLE A. (concluded)

- $\boldsymbol{\theta}$ (theta) Wind direction in the polar coordinate system
- $\lambda_{(\)}$ (Lambda) A parameter in the bivariate normal probability distribution in text table C
- ξ (Xi) The mean value in the standardized normal probability distribution used in text table B
- π (Pi) Constant = 3.14159 ...
- ρ (Rho) The general linear correlation coefficient between the two component variables in the [x,y] coordinate system
- σ_{x} , σ_{y} The general standard deviations of the x and y component variables in the [x,y] coordinate system.

quantities. These data limits were used to screen the wind data base, as described in section I.C. The data base was considered to be free from errors under the following conditions:

- 1) The skewness of the windspeed was below 4.0 at data levels where the mean windspeed was less than 15 m/s, and
- 2) The skewness of the windspeed was below 2.5 at data levels where the mean windspeed was greater than 15 m/s.

A.3 Limitations

For the wind statistics, the correlation coefficients for like wind components and unlike wind components between altitude levels were not computed. Therefore, wind statistics with respect to altitude (profile) cannot be derived from the RRA statistics. For wind profile modeling techniques the user is referred to Smith (1976). However, the wind statistics at discrete altitudes are valid; all of the probability distribution functions given in chapter II can be derived from the five wind component statistical parameters contained in table I, and the derived distributions can be considered as wind models at discrete altitudes.

By convention, in the statistical literature Greek letters are used for population or theoretically known parameters, and sample estimates are denoted by English alphabetical letters or with a "hat" (^) over the Greek letters. In chapter II Greek letters are used for the variances and the linear correlation coefficient, and the means are denoted by \overline{X} and \overline{Y} when dealing with the bivariate normal distribution. It will always be understood that table I contains sample estimates of the statistical parameters and they are with respect to the meteorological U and V coordinate system.

B. Coordinate System and Computation of Statistical Parameters

B.1. Coordinate System

Wind measurements are recorded in terms of magnitude and direction. The wind direction is measured in degrees clockwise from true north and is the direction from which the wind is blowing. The wind magnitude (the modulus of the vector) is the scalar quantity and is referred to as windspeed or scalar wind. A statistical description that accounts for the wind as a vector quantity is appropriate and requires a coordinate system.

For the RRA the standard meteorological coordinate system has been chosen for the wind statistics, all tables of statistical parameters, and related discussions because the coordinate system used in aerospace and related applied fields has not always been consistent.

Using figure 1, the polar and Cartesian forms for the meteorological coordinate system are defined:

- W = windspeed, scalar wind, or magnitude of the wind vector in meters per second.
- θ = wind direction. θ is measured in degrees clockwise from true north and is the direction from which the wind is blowing.
- U = zonal wind component, positive west to east, in meters per second.
- V = meridional wind component, positive south to north, in meters per second.

The components θ and W define the polar form, and the U-V components define the Cartesian forms:

$$U = -W \sin \theta$$
 , $0 \le \theta \le 360^{\circ}$ (1)

$$V = -W \cos\theta. \tag{2}$$

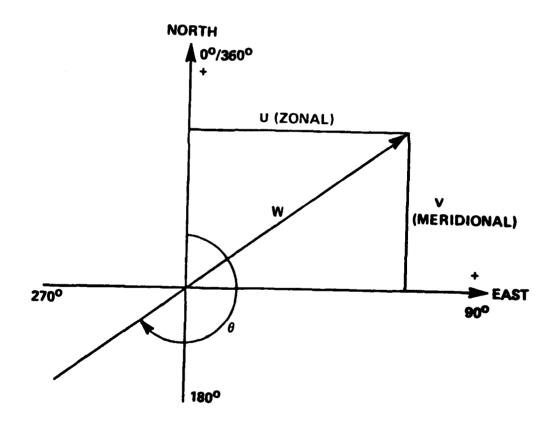


Figure 1. The meteorological coordinate system.

It is helpful to note the difference between the mathematical convention for a vector direction and the meteorological convention for wind direction:

$$\theta \text{ met} = 270 - \theta \text{ math} \tag{3}$$

when 0 < 0 math $< 270^{\circ}$

$$\theta$$
 met = 360 + (270 - θ math)

when 270 $\leq \theta$ math $\leq 360^{\circ}$

B.2 Computation of Statistical Parameters

The wind statistical parameters in table I for the means and standard deviations of the U and V wind components and windspeed and the skewness parameter of windspeed were computed using the sums technique presented in chapter III.C.3. In addition, the linear (product moment) correlation coefficient between the U and V wind components, r (u,v) in table I, was computed. This correlation coefficient is defined as

$$r (u,v) = \frac{\sum_{i=1}^{n} (U_i - \overline{U}) (V_i - \overline{V})}{N s(u) \cdot s(v)} . \tag{4}$$

These statistical parameters are with respect to the Standard Meteorological Coordinate System.

C. Statistical Wind Models

C.1. Wind Component Statistics

The univariate normal (Gaussian) probability distribution function is used to obtain wind component statistics. In generalized notations, this probability density function (pdf) is

$$f(t) = \frac{-\frac{t^2}{2}}{\sqrt{2\pi}}, \qquad (5)$$

where t = X - ξ/σ_X is the standardized variate, with ξ defining the mean and σ_X the standard deviation. The probability distribution function (PDF) is

$$F(\chi) = \int_{-\infty}^{\chi} f(t) dt . \qquad (6)$$

Because this integral cannot be obtained in closed form, it is widely tabulated for zero mean and unit standard deviation. For a convenient reference for the RRA, selected values of F(X) are given in table B. To emphasize the connotation of probability, F(X) is shown in table B as $P\left\{X\right\}$. The t values in table B are used as multiplier factors to the standard deviation to express the probability that a normally distributed variable, X, is less than or equal to a given value as

$$P\left\{X \leq \text{mean} + t \sigma_{X}\right\} = \text{probability, p} \qquad (7)$$

For example, when t=1.6449, the probability that X is less than or equal to the mean plus 1.6449 standard deviations is 0.95. That value of X that is less than or equal to the mean plus 1.6449 standard deviations is called the 95th percentile value of X. Also given in table B are the numerical values to express the probability that X falls in the interval X_1 and X_2 ; i.e.,

$$P\left\{X_{1} \le X \le X_{2}\right\} = Interpercentile Range.$$
 (8)

where

$$X_1 = \bar{X} + t \cdot \frac{1}{x}$$
$$X_2 = \bar{X} + t \cdot e_{X}$$

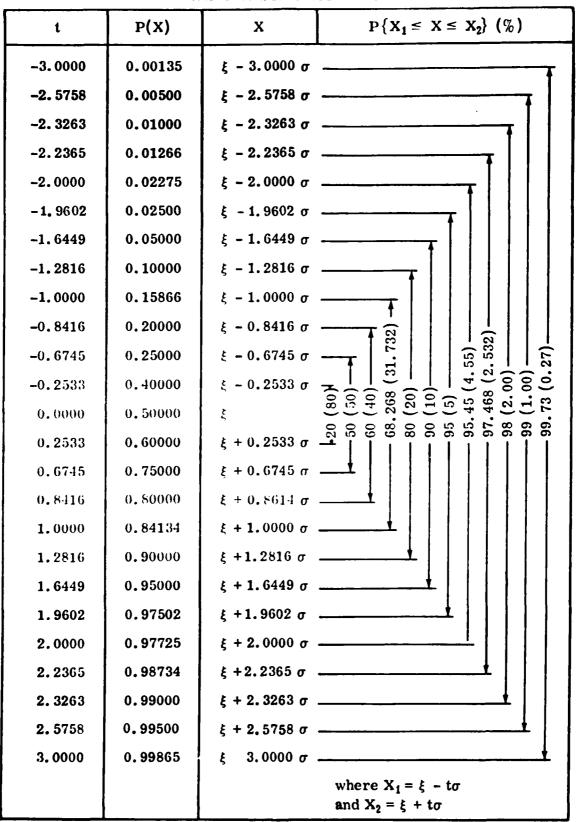
For t = 1.9602 the probability that X lies in the interval x_1 and x_2 is 0.95. The values of x_1 and x_2 in this example comprise the 95th interpercentile range.

For a normally distributed variable, the mode (most frequent value) and the median (50th percentile value) are the same as the mean value. The means and standard deviations of the U and V wind components from table 1 are used in equations (7) and (8) to compute the percentile values and interpercentile ranges of the U and V wind components. When equation (7) is illustrated on a normal probability graph, a straight line is formed.

C.2. The Vector Wind Model

Because wind is a vector quantity having direction and magnitude that can be expressed as two components in an orthogonal coordinate system, a probability model that describes the joint relationship is the bivariate normal probability distribution. In general component notation, the bivariate normal probability density function (BNpdf) is

TABLE B. VALUES OF t FOR STANDARDIZED NORMAL (UNIVARIATE) DISTRIBUTION FOR PERCENTILES AND INTERPERCENTILE RANGES



$$f(X,Y) = \frac{1}{2\pi\sigma_{X}\sigma_{y}} \sqrt{1-\rho^{2}} \left[\exp \frac{-1}{2(1-\rho^{2})} \left\{ \frac{(X-\bar{X})^{2}}{\sigma_{X}^{2}} - \frac{2\rho(X-\bar{X})(Y-\bar{Y})}{\sigma_{X}\sigma_{y}} + \frac{(Y-\bar{Y})^{2}}{\sigma_{y}^{2}} \right\} \right] - \infty \leq X \leq \infty \text{ and}$$

$$-\infty \leq Y \leq \infty , \qquad (9)$$

where the five parameters are $\overline{x},\overline{y}$, the component means; σ_{χ} , σ_{y} , the component standard deviations; and ρ , the correlation coefficient between the two component variables, X and Y.

For many applications the interest is in determining the probability that a point $\{X,Y\}$ will fall within a contour of equal probability density. The exponential terms of equation (9), when set equal to a constant, λ^2 , give a family of ellipses depending on the value of the constant. The ellipses have a common center at the point $\{\overline{X},\overline{Y}\}$. Integration of equation (9) over the region bounded by the contours of equal probability density gives

$$P(\lambda) = 1 - e^{\frac{-\lambda^2}{2(1 - \rho^2)}} . (10)$$

Solving for λ^2 and replacing $P(\lambda)$ by p gives

$$\lambda^2 = -2 (1 - \rho^2) \ln (1 - p)$$
 (11)

Now define

$$\lambda_{e} = \sqrt{2} \sqrt{-\ln (1-p)}$$
 (12)

For ready reference and comparisons, $\lambda_{\mbox{\scriptsize e}}$ is shown in table C for selected values of p.

TABLE C. VALUES OF λ FOR BIVARIATE NORMAL DISBRIBUTION ELLIPSES AND CIRCLES

P(%)	λ _e (ellipse)	λ _c (circle)	P(%)	λ _e (ellispe)	λ _c (circle)
0.000	0.0000	0.0000	65.000	1.4490	1.0246
5.000	0.3203	0.2265	68.268	1.5151	1.0713
10.000	0.4590	0.3246	70.000	1.5518	1.0973
15.000	0.5701	0.4031	75.000	1.6651	1.1774
20.000	0.6680	0.4723	80.000	1.7941	1.2686
25.000	0.7585	0.5363	85.000	1.9479	1.3774
30.000	0.8446	0.5972	86.466	2.0000	1.4142
35.000	0.9282	0 .6 563	90.000	2.1460	1.5175
39.347	1.0000	0.7071	95.000	2.4477	1.7308
40.000	1.0108	0.7147	95.450	2.4860	1.7579
45,000	1.0935	0.7732	98.000	2.7971	1.9778
50.000	1.1774	0.8325	98.168	2.8284	2.0000
54.406	1.2533	0.8862	98.889	3.0000	2.1213
55.000	1.2637	0.8936	99.000	3.0348	2.1460
60.000	1.3537	0.9572	99. 730	3.4393	2.4320
63.212	1.4142	1.0000	99.9877	4.2426	3.0000

$$\lambda_{C} = \sqrt{2} \sqrt{-\ln (1 - P)}$$

$$\lambda_{c} = \sqrt{-\ln(1-P)}$$

The probability ellipse that contains p-percent of the wind vectors expressed in the most general form is the conic defined by

$$AX^2 + BXY + CY^2 + DX + EY + F = 0$$
, (13)

where

$$\mathbf{A} = \sigma_{\mathbf{y}}^{2}$$

$$\mathbf{B} = -2\rho \sigma_{\mathbf{x}} \sigma_{\mathbf{v}}$$

$$C = \sigma_x^2$$

$$D = 2\sigma_{\mathbf{X}}\sigma_{\mathbf{y}} \rho \overline{\mathbf{Y}} - 2\sigma_{\mathbf{y}}^{2} \overline{\mathbf{X}} = -(\mathbf{B}\overline{\mathbf{Y}} + 2\mathbf{A}\overline{\mathbf{X}})$$

$$E = 2\sigma_{\mathbf{X}}\sigma_{\mathbf{y}} \quad \rho \overline{\mathbf{X}} - 2\sigma_{\mathbf{X}}^{2}\overline{\mathbf{Y}} = - (\mathbf{B}\overline{\mathbf{X}} + 2\mathbf{C}\overline{\mathbf{Y}})$$

$$F = A\overline{X}^2 + C\overline{Y}^2 + B\overline{X}\overline{Y} - AC (1 - \rho^2) \lambda_e^2$$

and

$$\lambda_{e} = \sqrt{2} \sqrt{-\ln (1 - \rho)}$$
.

For graphical presentations, the range of the variable is important in order to arrange the scale. The largest and smallest values of X and Y for a given probability ellipse, p, are given by

$$X_{L,S} = \overline{X} \pm \sigma_{X} \lambda_{e}$$
 (14)

$$Y_{L,S} = \overline{Y} \pm \sigma_{\mathbf{y}} \lambda_{\mathbf{e}}$$
 (15)

where, as, before, $\lambda_e = \sqrt{2} \sqrt{-\ln (1-p)}$

Although there are several approaches to graphing the probability ellipses, the following procedure is advantageous for electronic computer plotting. In establishing the computer plotting program, the sample estimates for $\overline{X}, \overline{Y}, \sigma_{\overline{X}}, \sigma_{\overline{Y}}, \sigma_{\overline{Y}},$

For a given probability, equation (13) defines an ellipse that contains p-percent of the points X,Y. Since the entire area under the bivariate normal density function [equation (9)] is unity, upon integration for a given probability ellipse, that given ellipse contains p-percent of the total area. In the wind statistics, p-percent of the wind vectors fall within the specified probability ellipse. From this point of view, a specified probability ellipse gives the joint probability that p-percent of the U-V components lie within the given ellipse.

When $\sigma_\chi^2 = \sigma_y^2 = \sigma^2$ and $\rho = 0$ in the bivariate normal distribution, the probability ellipses of equation (13) reduce to circles whose centers are at the means $\overline{X}, \overline{Y}$. The radii of the probability circles are $\sigma_{V1}\lambda_c$, where

$$\sigma_{V1} = \sqrt{2\sigma^2} \tag{16}$$

and

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$$\lambda_c = \sqrt{-\ln (1 - p)} \quad . \tag{17}$$

Values for $\lambda_{_{\hbox{\scriptsize C}}}$ for selected probabilities, p, are given in table C.

Because this function is simple, it can easily be gruphed manually. However, the generalized plotting technique for electronic computer plotters, as represented by equation (13), can be advantageously used.

C.3. Derived Distributions for Wind Statistics

In this subsection the probability distribution functions and sets of equations are presented to derive certain probability distribution functions for wind statistics. These derived probability distributions are:

- 1) The conditional distribution of wind components
- 2) The generalized Rayleigh distribution for windspeed
- 3) The distribution for wind direction
- 4) The conditional distribution of windspeed given a wind direction (wind rose).

The required five statistical parameters for these derived distributions for wind statistics are given in table I.

C.3.1 The Conditional Distribution of Wind Components

Given that two random variables X and Y are bivariate normally distributed, the conditional distribution f(Y|X) is read as f(Y) given X, and likewise f(X|Y) is read as f(X) given Y. The conditional probability distribution function F(Y|X) has the mean E(Y|X) and variance $\sigma^2(x|y)$, where

$$E(Y|X^*) = \overline{Y} + \rho\left(\frac{\sigma_y}{\sigma_x}\right)(X^* - \overline{X})$$
 (18)

and

$$\sigma^{2}(y|x^{*}) = \sigma_{y}^{2}(1-\rho^{2})$$
 (19)

The conditional standard deviation is

$$\sigma_{(\mathbf{y}\mid\mathbf{x}^*)} = \sigma_{\mathbf{y}} \sqrt{1-\rho^2} \quad . \tag{20}$$

By interchanging the variables and parameters, the conditional distribution function for $F(X|Y^*)$ has the conditional mean

$$E(X|Y^*) = \overline{X} + \rho \left(\frac{\sigma_X}{\sigma_Y}\right) (Y^* - \overline{Y}) , \qquad (21)$$

conditional variance

$$\sigma^2(\mathbf{x}|\mathbf{y}^*) = \sigma_{\mathbf{x}}^2 (1 - \rho^2)$$
 (22)

and conditional standard deviation

$$\sigma_{(\mathbf{x}|\mathbf{y}^*)} = \sigma_{\mathbf{x}} \sqrt{1 - \rho^2} \quad . \tag{23}$$

The preceding conditional probability distribution functions are univariate normal distributions for a (fixed) given value for one of the bivariate normal variables. Thus, the t-values given in table B are applicable for conditional probability statements. For example,

$$F(Y|X^*) = E(Y|X^*) + t\sigma_{(Y|X^*)}$$
 (24)

For t = 1.6449 there is a 95 percent chance that Y is less than or equal to \overline{Y} + 1.6449 $\sigma_{(y|x^*)}$ given that X = X*. In symbols this statement reads

$$P\left\{Y \leq E(Y|X^*) + 1.6449 \ \sigma_{(y|x^*)} \ | X = X^*\right\} = 0.9500 \ . \tag{25}$$

Interval probability statements can also be made; namely,

$$P \left\{ Y_1 = E(Y | X^*) - t\sigma_{(Y | X^*)} \le Y \le Y_2 = E(Y | X^*) + t\sigma_{(Y | X^*)} \right\}$$

where X* can take on any fixed value of X, but a convenient arrangement is to let X* = $\overline{X} \pm t\sigma_v$.

The close connection of the regression function of Y on X to the conditional mean for the bivariate normal distribution is noted; namely,

$$Y = \overline{Y} + \rho \left(\frac{\sigma_{y}}{\sigma_{x}} \right) (X - \overline{X}) \qquad (26)$$

Similarly, the regression function of X on Y is

$$\mathbf{X} = \overline{\mathbf{X}} + \rho \left(\frac{\sigma_{\mathbf{y}}}{\sigma_{\mathbf{x}}} \right) (\mathbf{Y} - \overline{\mathbf{Y}}) \qquad (27)$$

These are linear functions and express the same results as would be obtained from a least-squares regression line.

C.3.2. The Generalized Rayleigh Distribution for Windspeed

If two random variables, X and Y, are bivariate normally distributed, then the probability distribution for the modulus, R, can be derived in terms of the five parameters that define the bivariate normal distribution.

$$R = \sqrt{X^2 + Y^2} \tag{28}$$

The distribution of R so derived is called a generalized Rayleigh distribution because there are no restrictions on the parameters. For applications to the RRA, the variable R is recognized as windspeed or the modulus of the wind vector.

The probability density function for R is expressed as

$$f(R) = a_0 R e^{-a_1 R^2} \left[I_0(a_2 R^2) I_0(a_3 R) + 2 \sum_{k=1}^{\infty} I_k(a_2 R^2) I_{2k}(a_3 R) \cos 2k \psi \right] R \ge 0 .$$
 (29)

The functions, $I_0(\cdot)$, $I_k(\cdot)$, and $I_{2k}(\cdot)$ are the modified Bessel functions of the first kind for zero order, kth order, and 2kth order. The coefficients are

$$\mathbf{a_0} = \exp \left[-\frac{1}{2} \left\{ \frac{\overline{\mathbf{X}}^2}{\sigma_{\mathbf{a}}^2} + \frac{\overline{\mathbf{Y}}^2}{\sigma_{\mathbf{b}}^2} \right\} \right] / \sigma_{\mathbf{a}} \sigma_{\mathbf{b}} \quad ,$$

where σ_a^2 and σ_b^2 are the rotated variances to produce zero correlation between X and Y. σ_a and σ_b are the positive and negative roots 1 of the expression

$$\sigma^{2}_{(+,-)} = \frac{1}{2} \left\{ \sigma_{x}^{2} + \sigma_{y}^{2} \pm \left[(\sigma_{x}^{2} + \sigma_{y}^{2})^{2} - 4\sigma_{x}^{2} \sigma_{y}^{2} (1 - \rho^{2}) \right]^{1/2} \right\}$$

$$a_{1} = (\sigma_{x}^{2} + \sigma_{y}^{2})/4(1 - \rho^{2}) \sigma_{x}^{2} \sigma_{y}^{2} ,$$

$$a_{2} = \frac{\left[\left(\sigma_{x}^{2} - \sigma_{y}^{2}\right)^{2} + 4\rho^{2}\sigma_{x}^{2}\sigma_{y}^{2}\right]^{1/2}}{4(1 - \rho^{2})\sigma_{x}^{2}\sigma_{y}^{2}}$$

$$\mathbf{a_3} = \left[\left(\frac{\overline{\mathbf{X}}}{\sigma_{\mathbf{a}}^2} \right)^2 + \left(\frac{\overline{\mathbf{Y}}}{\sigma_{\mathbf{b}}^2} \right)^2 \right]^{1/2} ,$$

1. This computational form is obtained from the determinant

$$\begin{bmatrix} \sigma_{\mathbf{x}}^{2} - \mathbf{K} & \sigma_{\mathbf{x}} \sigma_{\mathbf{y}} \rho \\ \\ \sigma_{\mathbf{x}} \sigma_{\mathbf{y}} \rho & \sigma_{\mathbf{y}}^{2} - \mathbf{K} \end{bmatrix}.$$

where K is $\sigma^2_{(+,-)}$, and σ_a and σ_b are analogous to the standard deviation of the major and minor axes of the bivariate normal probability ellipse.

and

$$\tan \psi = \frac{\overline{Y}}{\overline{X}} \frac{\sigma_a^2}{\sigma_b^2} .$$

Since this density function cannot be integrated in closed form from zero to R, numerical integration is used to obtain practical results for the probability distribution function; i.e.,

$$F(R) = \int_{0}^{R*} f(R) dR \qquad . \tag{30}$$

A number of special cases can be obtained from the general Rayleigh distribution [equation (29)], the simplest of which is to let $\sigma_{x} \equiv \sigma_{y} = \sigma$ and $\overline{X} = \overline{Y} = 0$ with independent variables X and Y. This gives

$$f(R) = \frac{R}{\sigma^2} e^{-R^2/2\sigma^2}$$
, (31)

which is recognized as the classical Rayleigh probability density function. The density function, equation (31), can be integrated in closed form over any range of the variable R. Hence, the probability distribution function, F(R), for equation (31) is

$$F(R) = 1 - \exp\left\{\frac{-R^2}{2\sigma^2}\right\} . \qquad (32)$$

C.3.3. The Derived Distribution of Wind Direction

Considering the wind as a vector quantity and bivariate normally distributed, the wind direction can be derived. This is done by first writing the bivariate normal probability density function in polar coordinates whose variables are

$$g(r,\theta) = rd_1 e^{-\frac{1}{2}(a^2r^2 - 2br + c^2)},$$
 (33)

where

$$a^{2} = \frac{1}{(1 - \rho^{2})} \left[\frac{\sin^{2}\theta}{\sigma_{x}^{2}} - \frac{2\rho \cos\theta \sin\theta}{\sigma_{x}^{2}\sigma_{y}} + \frac{\cos^{2}\theta}{\sigma_{y}^{2}} \right],$$

$$b = \frac{-1}{(1 - \rho^{2})} \left[\frac{\overline{x} \sin\theta}{\sigma_{x}^{2}} - \frac{\rho(\overline{x} \cos\theta + \overline{y} \sin\theta)}{\sigma_{x}^{2}\sigma_{y}} + \frac{\overline{y} \cos\theta}{\sigma_{y}^{2}} \right]$$

$$c^{2} = \frac{1}{(1 - \rho^{2})} \left[\frac{\overline{x}^{2}}{\sigma_{x}^{2}} - \frac{2\rho\overline{x}\overline{y}}{\sigma_{x}^{2}\sigma_{y}} + \frac{\overline{y}^{2}}{\sigma_{y}^{2}} \right],$$

$$d_{1} = \frac{1}{2\pi\sigma_{y}\sigma_{y}} \sqrt{1 - \rho^{2}},$$

 $r=\sqrt{x^2+y^2}$ is the modulus of the vector or speed, and θ is the direction of the vector. After integrating $g(r,\theta)$ over r=0 to ∞ , the probability density function of θ is

$$g(\theta) = \frac{d_1}{a^2} e^{-\frac{1}{2}c^2} \left[1 + \sqrt{2\pi} \left(\frac{b}{a} \right) e^{\frac{1}{2} \left(\frac{b}{a} \right)^2} \phi \left(\frac{b}{a} \right) \right] , \qquad (34)$$

^{2.} This expression, equation (33), in Smith (1976) is given with respect to the mathematical convention for a vector direction.

where a^2 , b, c^2 , and d_1 are as previously defined in equation (33) and

$$\Phi\left(\frac{b}{a}\right) = \Phi(x) = \frac{1}{\sqrt{2\pi}} \int_{-\infty}^{x} e^{-\frac{1}{2}t^2} dt$$

is taken from tables of normal distribution functions or made available through a computer subroutine.

If desired, equation (34) can be integrated numerically over a chosen range of 0 to obtain the probability that the vector direction will lie within the chosen range; i.e.,

$$\mathbf{F}(\theta) = \int_{\theta_2}^{\theta_1} \mathbf{g}(\theta) \ d\theta \qquad . \tag{35}$$

One application may be to obtain the probability that the wind will flow from a given quadrant or sector as, for example, onshore.

C.3.4. The Derived Conditional Distribution of Windspeed Given the Wind Direction (Wind Rose)

Continuing with the considerations in section C.3.3. of this chapter, the conditional probability density function (pdf) for windspeed, r, given a specified value for the wind direction, θ , can be expressed as

$$f(\mathbf{r} \mid \theta) = \frac{\mathbf{a}^2 \mathbf{r} e^{-\frac{1}{2} (\mathbf{a}^2 \mathbf{r}^2 - \mathbf{b}\mathbf{r})}}{1 + \sqrt{2\pi} \left(\frac{\mathbf{b}}{\mathbf{a}}\right) e^{\frac{1}{2} \left(\frac{\mathbf{b}}{\mathbf{a}}\right)^2} \Phi\left\{\frac{\mathbf{b}}{\mathbf{a}}\right\}},$$
 (36)

where the coefficients, <u>a</u> and <u>b</u> and the function $\Phi\left\{\frac{b}{a}\right\}$ are as previously defined in equation (33) and in equation (34).

From equation (36) the mode (most frequent value) of the conditional windspeed given a specified value of the wind direction is the positive solution of the quadratic equation,

$$a^2 r^2 - br - 1 = 0$$
 , (37)

which is

$$(\tilde{\mathbf{r}}\mid\theta) = \frac{1}{2\mathbf{a}}\left[\left(\frac{\mathbf{b}}{\mathbf{a}}\right) + \sqrt{4 + \left(\frac{\mathbf{b}}{\mathbf{a}}\right)^2}\right]$$
 (38)

The locus of the conditional modal values of windspeed when plotted in polar form versus the given wind directions forms an ellipse.

The noncentral moment for equation (36) is expressed as

$$\mu_{\mathbf{n}}' = \int_{0}^{\infty} \mathbf{r}^{\mathbf{n}} \mathbf{f}(\mathbf{r} | \boldsymbol{\theta}) d\mathbf{r} . \qquad (39)$$

Now the first noncentral moment is identical to the first central moment or the expected value, E $(r|\theta)$. The integration of equation (39) for the first moment is sufficiently simple to yield practical computations and can be expressed as

$$E(\mathbf{r}|\theta) = \frac{\left(\frac{\mathbf{b}}{\mathbf{a}}\right) + \left[1 + \left(\frac{\mathbf{b}}{\mathbf{a}}\right)^{2}\right] \sqrt{2\pi} e^{\frac{1}{2}\left(\frac{\mathbf{b}}{\mathbf{a}}\right)^{2}} \Phi\left\{\frac{\mathbf{b}}{\mathbf{a}}\right\}}{\mathbf{a}\left[1 + \left(\frac{\mathbf{b}}{\mathbf{a}}\right) \sqrt{2\pi} e^{\frac{1}{2}\left(\frac{\mathbf{b}}{\mathbf{a}}\right)^{2}} \Phi\left\{\frac{\mathbf{b}}{\mathbf{a}}\right\}\right]}.$$
 (40)

Hence, equation (40) gives the conditional mean value of the windspeed given a specified value for the wind direction.

The integration of equation (36) for the limits r=0 to $r=r^*$ gives the probability that the conditional windspeed is $\leq r^*$ given a value for the wind direction, θ . This conditional probability distribution (PDF) can be written as

$$\Pr\left\{\mathbf{r} \leq \mathbf{r}^* \mid \theta = \theta_0\right\} = 1 - \left[\frac{e^{-\frac{1}{2}\mathbf{r}_S^2 + \sqrt{2\pi}\left(\frac{\mathbf{b}}{\mathbf{a}}\right)\left\{1 - \phi\left(\mathbf{r}_S\right)\right\}}}{e^{-\frac{1}{2}\left(\frac{\mathbf{b}}{\mathbf{a}}\right)^2 + \sqrt{2\pi}\left(\frac{\mathbf{b}}{\mathbf{a}}\right)\phi\left(\frac{\mathbf{b}}{\mathbf{a}}\right)}}\right]. \quad (41)$$

where

$$r_s = \left[a r^* - \left(\frac{b}{a} \right) \right]$$

By definition, equation (41) is an expression for a "wind rose." Empirical wind rose statistics are often tabulated or graphically illustrated giving the frequency that the windspeed is not exceeded for those windspeed values that lie within assigned class intervals of the wind direction. After evaluation of equation (41) for various values of windspeed, r^* , and the given wind directions, θ , interpolations can be performed to obtain various percentile values of the conditional windspeed.

For the special case when <u>b</u> in equation (33) equals zero (i.e., for $\overline{x} = \overline{y} = 0$), the conditional modal values of windspeeds [equation (38)], the conditional mean values of windspeeds [equation (40)], and the fixed conditional percentile values of windspeeds [interpolated from evaluations of equation (41)], when plotted in polar form versus the given wind directions, produce a family of ellipses.

For the special case when $\overline{x} = \overline{y} = 0$, equation (36) reduces to the following simple case:

$$\Pr\left\{\mathbf{r} \leq \mathbf{r}^* \mid \theta = \theta_0\right\} = 1 - e^{-\frac{\mathbf{a}^2 \mathbf{r}^{*2}}{2}}$$
 (42)

There is a special significance of equation (42) when related to the bivariate normal probability distribution. If r^* and θ are measured from the centroid of the probability ellipse, then the probability that $r \le r^*$ is the same as the given probability ellipse. Further, solving equation (42) for r^* , gives

$$r^* = \frac{1}{a} \sqrt{-2 \ln (1 - P)}$$
 (43)

If a probability ellipse P is chosen, equation (42) gives the distance of r along any θ from the centroid of the ellipse to the intercept of the specified probability ellipse. If there is an interest in conditional probability of winds for a given θ relative to the monthly means, equation (43) is applicable. If it is desired to find the magnitude of the wind along any θ relative to the monthly mean to the intercept of a given probability ellipse, equation (43) is applicable.

D. Statistical Parameters With Respect To Any Orthogonal Axes

The five wind statistical parameters presented in table I are given with respect to the standard meteorological coordinate system; i.e., these parameters are for the U and V components. For many aerospace vehicles and range applications, there is a need for wind statistics with respect to orthogonal axes other than west to east and south to north. For example, it may be required to present wind statistics with respect to a flight azimuth of an

aerospace vehicle whose flight azimuth is α degrees from true north measured in a clockwise direction. The following sets of equations are presented to compute the five parameters for the new coordinate axes rotated α degrees clockwise from true north.

a. Rotation of the means through α degrees:

$$\overline{X}_{\alpha} = \overline{X} \cos (90 - \alpha) + \overline{Y} \sin (90 - \alpha)$$
 (44)

$$\overline{Y}_{\alpha} = \overline{Y} \cos (90 - \alpha) - \overline{X} \sin (90 - \alpha)$$
 (45)

b. Rotation of the variances through lpha degrees:

$$\sigma_{\mathbf{x}_{\alpha}}^{2} = \sigma_{\mathbf{x}}^{2} \cos^{2} (90 - \alpha) + \sigma_{\mathbf{y}}^{2} \sin^{2} (90 - \alpha)$$

$$+ 2\rho \sigma_{\mathbf{x}} \sigma_{\mathbf{y}} \cos (90 - \alpha) \sin (90 - \alpha) \tag{46}$$

$$\sigma_{y_{\alpha}}^{2} = \sigma_{y}^{2} \cos^{2} (90 - \alpha) + \sigma_{x}^{2} \sin^{2} (90 - \alpha)$$

$$-2\rho\sigma_{\mathbf{x}}\sigma_{\mathbf{y}}\cos(90-\alpha)\sin(90-\alpha). \qquad (47)$$

c. Rotation of the linear correlation coefficient through a degrees:

$$\rho_{\alpha} = \frac{\text{cov } (X,Y)_{\alpha}}{\sigma_{\mathbf{x}_{\alpha}}\sigma_{\mathbf{y}_{\alpha}}} , \qquad (48)$$

where cov $(X,Y)_{\alpha}$ is the rotated covariance,

$$\cos (X,Y)_{\alpha} = \cos (X,Y) [\cos^2 (90 - \alpha) - \sin^2 (90 - \alpha)]$$

+ $\cos (90 - \alpha) \sin (90 - \alpha) (\sigma_v^2 - \sigma_x^2)$

and

$$cov(X,Y) = \rho \sigma_{X} \sigma_{Y}$$

By using these rotational equations, the bivariate normal distribution with respect to any desired rotated coordinates can be obtained from sample estimates that have been computed with respect to a specific axis. The marginal distributions after rotation are also normally (univariate) distributed. Using the rotational equations greatly reduces computational efforts for applications requiring statistics with respect to several coordinate axes.

Appendix A presents some illustrative examples for the wind statistics of the specific RRA.

CHAPTER III. STATISTICS OF THERMODYNAMICS QUANTITIES AND MODELS

A. General Considerations

A.1. Objectives

The objective inherent in developing the thermodynamic section of the RRA was to describe the thermodynamic characteristics of the atmosphere using a minimum of data tabulations. A set of parameters was selected which, together, thermodynamically describe the climatological state of the atmosphere. These parameters are the pressure, temperature, density, dewpoint, virtual temperature, and water vapor pressure. Used together, these parameters permit the calculation of a large number of derived quantities. (Symbols used in the calculations in this chapter are summarized in table D.) Some of these quantities, such as the speed of sound, are dealt with in section III.E.

The probability distribution of each of the six thermodynamic RRA parameters is described by its mean value, its standard deviation, and its skewness. Several of these parameters (temperature, pressure, dewpoint and density) have probability distributions that are close to a univariate normal distribution; the others do not. The skewness parameter gives an estimate of the asymmetrical departures of a probability distribution.

Hydrostatically modeled mean values of pressure and density were calculated (table IV), so that users may determine the departure of the actual climatological values of these parameters from hydrostatic conditions. This was done by hydrostatically integrating the pressure from the lowest RRA data level to the termination altitude of the particular RRA.

A.2. Data Quality Control

Data limits derived from the following parameters were used to screen the thermodynamic portion of the RRA data base: temperature, pressure, dewpoint (for the 0- to 30-km portion only), and density (for the 30- to 70-km portion only). These limits were set to plus and minus six standard deviations from the mean values of each of these quantities. These limits were used to screen the thermodynamic portion of the RRA data base, according to the procedures described in section I.C. The data base used to generate the thermodynamic portion of the RRA (tables I, II, and IV) was considered to be free from errors under the following conditions:

- a) The skewness values of the pressure and temperature were between -2.5 and 2.5 at all data levels.
- b) The skewness values of the density were between -3.5 and 3.5 at data levels between 0 and 30 km.
- c) The skewness values of the density were between -3.0 and 3.0 at data levels between 30 and 70 km.
- d) The skewness values of the dewpoint were between -2.5 and 2.5 at all data levels with more than 10 data values.

TABLE D. LIST OF SYMBOLS USED IN CHAPTER III

C - Speed of sound

C_d - Collision diameter

E - Vapor pressure

 g_{ϕ} - Gravity at latitude ϕ

H - Geopotential height

H_m - Geopotential height at a mandatory radiosonde data level

H_s - Geopotential height at a significant radiosonde data level

K₊ - Coefficient of thermal conductivity

L - Mean free path length

M - Mean molecular weight of air at sea level

M3Q - Annual or monthly third moment of quantity Q

n - Refractive modulus

N - Refractive index

NA - Avogadro's constant

 N_Q - Number of values of quantity Q

P - Pressure

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P_m - Pressure at a mandatory radiosonde data level

P_S - Pressure at a significant radiosonde data level

Ph - Hydrostatically integrated mean monthly or annual pressure

Q - Any tabulated RRA quantity

R* - Universal gas constant

R' - Specific gas constant of dry air

r', r* - Parameters used in converting z to h and vice versa

TABLE D. (concluded)

- S Sutherland's constant, used in the calculation of dynamic viscosity
- T Temperature
- T_d Dew point
- T. Virtual temperature
- T_{vm} Virtual temperature at a mandatory radiosonde data level
- T_{vs} Virtual temperature at a significant radiosonde data level
- V Mean air particle speed
- V Mean collision frequency
- w Parameter used in the hydrostatic interpolation of pressure and density
- Z Geometric altitude
- λ Wavelength
- α Skewness of quantity Q
- Constant used in the equation for viscosity
- γ Ratio of specific heat at constant pressure to specific heat at constant volume
- η Kinematic coefficient of viscosity
- μ Dynamic coefficient of viscosity
- ρ Density
- ρh Mean monthly or annual density derived from pressure height
- σ Standard deviation of the quantity Q

A.3 Limitation of Thermodynamic Statistics

The correlation coefficients between the thermodynamic quantities and the moisture-related quantities were not calculated at discrete altitudes, nor were any of the correlations between altitudes. Therefore, valid statistical dispersion models that require the relationship between two or more of these quantities at the same altitude or between altitudes cannot be derived. Approximations for the correlation coefficients between pressure, virtual temperature, and density at discrete altitudes may be obtained from the coefficients of variation as developed by Buell (1970). The coefficient of variation is the standard deviation divided by the mean. The mean values and the standard deviations are taken from table II. A model for the profile of monthly and annual mean pressure, virtual temperature, and density that is in excellent agreement with the respective statistical mean values is given by table IV. This agreement results because the physical relationships, given by the hydrostatic equation and the equation of state, were used to derive table IV. When only the monthly or annual mean values for pressure, virtual temperature, and density are required, it is recommended that table IV be used.

B. Establishing Data Samples at the Required Altitude Levels

This section describes the computational procedures used to establish data samples of the thermodynamic RRA parameters at the RRA data levels. References are cited only when an equation given is one of many available in the literature or when an equation is stated in an unusual form.

B.1. Conversion of Data Recorded in Geopotential Heights to Geometric Altitude

The upper-air rocketsonde observations used to obtain the table values above 30 km were recorded in terms of geometric altitude and can be interpolated directly to the altitude intervals shown in the tables. However, the radiosonde observations used to obtain the tabular values below 30 km were recorded in terms of geopotential heights. The change of coordinates from geopotential heights to geometric altitudes (h to z) is accomplished by calculating a table of geopotential heights that correspond exactly to the geometric altitudes at which the atmospheric parameters are tabulated. The radiosonde observations are then interpolated to these geopotential heights. The relationship used to calculate geometric altitude from geopotential height is

$$H = (r'z)/(r*z) , \qquad (49)$$

where

$$r' = gr*/9.80665$$

and

$$r^* = -2g_{\phi}/(\partial g_{\phi}/\partial z_{o})$$

 g_{φ} is the sea-level gravity at the latitude $_{\varphi}$ corresponding to the proper location. This value is given by (List, 1968)

$$g_{\phi} = 9.780356 \ (1 + 5.2885 \times 10^{-3} \sin^2 \phi - 5.9 \times 10^{-6} \sin^2 (2\phi)).$$
 (50)

 $\frac{\partial \mathbf{g}_{\phi}}{\partial \mathbf{z}_{\mathbf{0}}}$ is the rate of change of gravity at the sea level. This quantity is given

by the equation

$$\frac{\partial g_{\phi}}{\partial z_{o}} = -3.085462 \times 10^{-6} + 2.27 \times 10^{-9} \cos (2\phi) - 2 \times 10^{-12} \cos (4\phi). \tag{51}$$

The units used for gravity are meters per square second, while the units for $\frac{\partial g_{\varphi}}{\partial z_0}$ are per square second.

The resulting table of values of H obtained by using even increments of 2 in equation (49) is shown in table IV of the RRA. The values of H above 30 km are not used in the interpolation of original data, but are included for the convenience of the user.

B.2. Calculations on the Original Rawinsonde Data Records

It was necessary to interpolate the information from the original rawin-sonde data records to the geometric altitudes specified as the RRA data levels. The parameters for which this interpolation was required were the temperature, dewpoint, and pressure. The other parameters were calculated from the interpolated values at each RRA data level. These "derived" parameters were the water vapor pressure, density, and virtual temperature.

B.2.1. Calculation of the Geopotential Height at Significant Levels

Two somewhat different interpolation procedures were used to obtain data from radiosonde and rocketsonde observations at the levels shown in the tables. The procedure used to interpolate radiosonde observations began with the calculation of virtual temperature at each data level in a sounding. The virtual temperature was computed by

$$T_V = T/(1. - 0.379 (e/p))$$
 (52)

where T_{v} and T are in degrees Kelvin and e and p are in millibars.

The radiosonde soundings contain a mix of data taken at "mandatory" and "significant" levels. Pressure, temperature, and dewpoint information was given in these soundings at both types of levels. However, geopotential height information was only given at the mandatory levels. The heights at the significant levels were "filled in" (calculated) hydrostatically using pressure and temperature data from these levels. This procedure permitted the use of most of the significant level data in the calculation of the RRA tables. The equation used for this process was

$$H_s = H_m + 29.2712617 \frac{({}^Tvs - {}^Tvm)}{2} \ln (P_s/P_m)$$
, (53)

where the subscripts s and m denote quantities at significant and mandatory levels. This equation was not used if the difference between two adjacent mandatory levels was greater than 200 mb. All soundings with such data gaps were rejected for use in compiling the RRA.

B.2.2. Temperature

Radiosonde temperatures were interpolated logarithmically with respect to pressure using the equation

$$T = T_U + (T_L - T_U) \frac{lnp - lnp_L}{lnp_U - lnp_L}$$
, (54)

where the subscripts U and L indicate values at the nearest data levels in the actual sounding above and below the interpolated level.

B.2.3. Pressure

The pressure values in each radiosonde sounding were interpolated to the RRA data levels using the equation

$$p = p_{L} exp\left(\frac{H_{L} - H_{U}}{29.2712617 (0.5) (T_{V_{II}} + T_{V_{L}})}\right)$$
(55)

where the subscript L indicates virtual temperature, geopotential height, and pressure values at the data level below and closest to the level at which data were required.

B.2.4. Dewpoint Temperature

Dewpoint values were interpolated logarithmically with respect to pressure using the equation

$$T_{d} = T_{dU} + (T_{dL} - T_{dU}) \left(\frac{\ln p - \ln p_{L}}{\ln p_{U} - \ln p_{L}} \right) . \qquad (56)$$

The subscripts U and L indicate data at the nearest upper and lower data levels in a sounding.

B.2.5. Derived Water Vapor Pressure

The water vapor pressure was calculated from the interpolated dewpoint values at the RRA data levels using Teten's approximation:

$$7.5(T_{d} - 273.15)/(T_{d} - 35.86)$$

$$e = 6.11 \text{ mb} \times 10$$
(57)

B.2.6. Derived Density

The density values derived from radiosonde observations were calculated at the RRA data levels using the equation

$$\rho = 348.36787 \text{ p/T}_{v} . \tag{58}$$

B.2.7. Derived Virtual Temperature

The virtual temperature values were calculated at the RRA data levels for each sounding using the equation

$$T_v = T/(1 - 0.379(e/p))$$
 , (59)

where T_v and T are in degrees Kelvin, and p and e are the pressure and vapor pressure, respectively, in millibars.

B.3. Calculations on the Original Rocketsonde Data Records

The rocketsonde data records used to calculate the RRA table values above 30 km were given in terms of geometric altitude. For this reason, slightly different calculations were required to convert the recorded data values to values at the RRA data levels. The pressure, temperature, and density were all interpolated to the RRA data levels; moisture-related parameters (virtual temperature, water vapor pressure, and dewpoint) were not calculated, since atmospheric moisture at altitudes above 30 km was considered to be negligible.

No interpolation was done across gaps in the pressure or temperature data within a sounding larger than 7,000 m. Data values at the RRA levels within such a gap were set to missing.

B.3.1. Temperature

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Rocketsonde temperatures were interpolated linearly with respect to geometric altitude using the equation

$$T = T_U + (T_L - T_U) \frac{Z - Z_L}{Z_U - Z_L}$$
, (60)

where the subscripts U and L indicate values at the nearest data level in the actual sounding above and below the interpolated level.

B.3.2. Pressure

The pressure values in each rocketsonde sounding were interpolated to the RRA data levels using the equation

$$P = P_{L} \exp \left(-\frac{g_{\phi}}{R^{*}} \frac{M(Z - Z_{L})}{\overline{T}v} \cdot W^{2}\right)$$
 (61)

where

$$\overline{T}_{V} = \frac{T_{VU} + T_{VL}}{2}$$
 and $W = \frac{r^*}{\left(r^* + Z + \frac{Z - Z_{L}}{2}\right)}$.

B.3.3. Density

Rocketsonde density values were interpolated using the equation

$$\rho = \rho_{L} \exp \left(-\frac{g_{\phi}^{M}}{R^{*}} \frac{(Z - Z_{L})}{\overline{T}_{V}} \cdot w^{2} \right) , \qquad (62)$$

where W is specified in section III.B.3.2.

C. Computation of Statistical Parameters for Tables II and III

A three-step procedure was used for computing the monthly and annual means, standard deviations, and skewness values from the data values at the RRA data levels. Initially, certain statistical sums were calculated and stored as the soundings in the data base were processed. These sums were then used to calculate the monthly statistics given in the RRA tables. The annual statistics were then calculated from these stored sums and the monthly statistics.

C.1. Stored Statistical Sums

The sums calculated were

$$\sum Q$$
, $\sum Q^2$, and $\sum Q^3$,

where Q is any one of the quantities given in the thermodynamic part of the RRA.

C.2. Calculation of the Monthly Statistics

C.2.1. Monthly Means

The mean monthly values of the thermodynamic RRA quantities were calculated using the equation

$$\bar{Q} = \sum Q/N_Q$$
,

where \mathbf{N}_0 is the number of observed values of the quantity Q for a given month.

C.2.2. Monthly Standard Deviations

The monthly standard deviations of the thermodynamic RRA quantities were calculated using the equation

$$\sigma_{Q} = \sqrt{\frac{(N_{Q} \Sigma' Q^{2}) - (\Sigma Q)^{2}}{N_{Q} \cdot (N_{Q} - 1)}} . \tag{63}$$

C.2.3. Monthly Skewness Values

The monthly skewness values of the windspeed and of the thermodynamic RRA quantities were calculated using the equation

$$\alpha_{\mathbf{Q}} = \frac{M_{\mathbf{Q}}^{3}}{\sigma_{\mathbf{Q}}^{3}} \quad ,$$

where M3 $_{\mbox{\scriptsize Q}}$ is the third moment of the quantity Q, $\sigma_{\mbox{\scriptsize Q}}$ is its standard deviation, and

$$M_{3Q} = \left[\frac{\Sigma_{Q}^{3}}{N_{Q}} - \frac{3\Sigma_{Q}\Sigma_{Q}^{2}}{N_{Q}^{2}} - \frac{2\Sigma_{Q}^{3}}{N_{Q}^{3}} \right] \cdot \frac{N_{Q}^{2}}{(N_{Q} - 1)(N_{Q} - 2)} \quad . \quad (64)$$

C.3. Calculation of the Annual Statistics

Equations (63) and (64), used to calculate the monthly values of the standard deviations and skewness values, involve taking the differences between two pairs of large sums containing \mathbb{Q}^2 and \mathbb{Q}^3 , where \mathbb{Q} is the thermodynamic RRA quantity. Using these equations to compute the annual statistics would have resulted in a substantial loss of precision, as these sums become larger by several orders of magnitude in such a case. This problem was avoided by calculating the annual means, standard deviations, and skewness values from the monthly statistics.

C.3.1 Annual Mean Values

The annual mean values of the thermodynamic RRA quantities were calculated using the equation

$$Q_{ANN} = Q_A/N_Q$$

where \mathbf{Q}_{A} is the total of all observed values of Q and \mathbf{N}_{Q} is the total number of observations of Q.

C.3.2. Annual Standard Deviations

The annual standard deviations of the thermodynamic RRA quantities were calculated using the equation

$$\sigma Q_{ANN} = \sqrt{\frac{1}{N_{Q}} \sum_{i=1}^{12} (N_{Qi} \sigma_{Qi}^{2}) + \frac{1}{N_{Q}} \sum_{i=1}^{12} (N_{Qi} \overline{Q}_{i}^{2}) - Q_{ANN}^{2}}, \quad (65)$$

where N_{Qi} = the number of data values for Q in month i (i = 1 to 12), Q_i = the monthly mean of Q, and σ_{Qi} = the standard deviation of quantity Q in month i.

C.3.3. Annual Skewness Values

The annual skewness values of the thermodynamic RRA quantities were calculated using the equation

$$M3Q_{ANN} = \frac{1}{N} \sum_{i=1}^{12} (N_{Qi} M_{3Qi}) + \frac{3}{NQ_{ANN}} \sum_{i=1}^{12} (N_{Qi} \overline{Q}_{i}^{2})$$

$$+ \frac{1}{NQ_{ANN}} \sum_{i=1}^{12} (N_{Qi} Q_{i}^{3}) - \frac{3\overline{Q}_{ANN}}{NQ_{ANN}} \sum_{i=1}^{12} (N_{Qi} Q_{i}^{2})$$

$$- \frac{3\overline{Q}_{ANN}}{NQ_{ANN}} \sum_{i=1}^{12} (N_{Qi} \sigma_{Qi}^{2}) + 2\overline{Q}_{ANN}^{3} , \qquad (66)$$

where $\rm M_{3Qi}$ = the third moment about the mean of quantity Q in month i and $\rm M3Q_{ANN}$ = the annual third moment about the mean of the quantity Q.

D. Derived Monthly Mean and Annual Mean Model Atmospheres

A set of modeled monthly mean and annual mean hydrostatic values of pressure and density was calculated from the lowest RRA data level (0 km, mean sea level) upwards to 30 km, and from 30 km upwards to 70 km. The integration from 0 to 30 km was computed independently of the integration from 30 to 70 km because of the difference in data sources. The two different values for 30 km are provided for comparison. When 30-km data are required, the values given in the 0- to 30-km table should be used. These hydrostatically modeled mean values, which are given in table IV, are useful as a check on the validity of the pressure and density values given in table II. In most cases, the values in tables II and IV for any given data level are within 1 percent of each other. The hydrostatic pressure values in table IV were calculated using the equation

$$p_1 = p_0 \exp \left(-\frac{0.034162 (H_1 - H_0)}{0.5 (T_{v_1} + T_{v_0})} \right) , \qquad (67)$$

where ${\rm H_1}$ - ${\rm H_0}$ is in meters and a "0" subscript refers to values at the RRA data level immediately below the level being checked. ${\rm p_0}$ at the lowest data level is set equal to the RRA mean pressure; ${\rm p_1}$, calculated for the next highest data level, is taken as ${\rm p_0}$ for the level above that. This process is repeated for all the other RRA data levels. The hydrostatic density corresponding to the hydrostatic pressures is calculated from these pressures and the RRA virtual temperature values using the formula

$$\rho_{\rm H} = 348.36786 \ P_{\rm H}/T_{\rm v}$$
 (68)

where $_{\rho H}$ and P_{H} are the hydrostatic density and pressure shown in table IV of the RRA.

E. Thermodynamic Quantities Derivable from the Basic Tables

Several other quantities can be calculated from the statistics listed in tables I and II. Primary physical constants used in these calculations are listed in table E. The equations given in this section can be used to calculate the approximate mean values of these quantities at each RRA data level. It is not possible to infer or derive any information concerning the standard deviation or skewness values of these quantities from the data in tables II and III of the RRA.

E.1. Mean Air Particle Speed

The mean air particle speed, V, is the arithmetic average of the speeds of all air particles in the volume element being considered. For a valid average to occur, there must be a sufficient number of particles involved to represent mean conditions. The equation for V for dry air is

$$V = \sqrt{\frac{8}{\pi} \cdot \frac{R*T}{M}} \quad . \tag{69}$$

A computational form for dry air, using tabulated values, is

$$V = \sqrt{7.3094 \times 10^2 \times T} \text{ (meters per second)}, \qquad (70)$$

where T is the temperature in degrees Kelvin from table II. Equation (69), when corrected for moist air, becomes

$$V = \sqrt{\frac{8}{\pi} \cdot R' T_{v}} . \qquad (71)$$

The computational form for moist air is

$$V = \sqrt{7.3094 \cdot 10^2 \cdot T_V} \text{ (meters per second)}, \qquad (72)$$

where T_{v} is the virtual temperature in degrees Kelvin from table III.

TABLE E. LIST OF PRIMARY PHYSICAL CONSTANTS

- P_0 = standard atmospheric pressure at sea level = 1.013250 × 10⁵ Newton/m² = 2116.22 lb/ft²
- ρ_0 = standard atmospheric density at sea level = 1.2250 kg/m³ = 0.076474 lb/ft³
- T_O = standard temperature at sea level = 288.15 K = 15.0°C = 59.0°F
- g_o = standard gravity at sea level at latitude 45°32'33" = 9.80665 m/s²
- s = Sutherland's constant used in calculation of dynamic viscosity = 110.4 K
- T_{I} = ice-point temperature at P_{O} = 273.15 K
- β = constant used in calculation of dynamic viscosity
 - = 1.458 \times 10⁻⁶ kg/s m K¹/₂
 - = 7.3025×10^{-7} lb/s ft R¹/₂
- γ = ratio of specific heat of air at constant pressure to specific heat of air at constant volume = 1.4
- C_D = mean effective collision diameter of air molecules = 3.65×10^{-10} m = 1.1975×10^{-9} ft
- $N_a = Avogadro's constant$ = 6.022169 × 10²⁶/kg mol = 2.73179 × 10²⁶/lb mol
- R* = gas constant = 8.31432 J/mol K
- R' = gas constant for dry air = 2.8704×10^2 J/kg K
- M = molecular weight of dry air = 28.966 g/mol

E.2 Mean Free Path

The mean free path, L, is the mean value of the distance traveled by each neutral air particle in a selected air parcel, between successive collisions with other particles in that parcel. A meaningful average requires that the selected parcel be large enough to contain a substantial number of particles. The equation for L is given by

$$L = \left(\frac{\sqrt{2}}{2\pi}\right) \left(\frac{R*T}{N_a C_d^2 P}\right) \qquad (73)$$

where C_d is the effective collision diameter of the mean air molecules. The 1976 standard atmosphere value of 3.65 x 10^{-10} is valid for the range of altitudes in the RRA.

A computational form for moist air, using tabulated values, is

$$L = 2.335 \times 10^{-7} \frac{T}{P} \text{ (meters)}$$
 , (74)

where T is the temperature in degrees Kelvin from table II and P is the pressure in millibars from table II.

A form of (73) to correct L for moist air is

$$L = \left(\frac{\sqrt{2}}{2\pi}\right) \frac{R'MT_{v}}{N_{a} C_{d}^{2}} . \qquad (75)$$

The computational form for moist air is

$$L = 2.3325 \times 10^{-7} \frac{T_{v}}{P} \text{ (meters)} , \qquad (76)$$

where $\mathbf{T}_{\mathbf{V}}$ is the virtual temperature in degrees Kelvin from table III and P is the pressure in millibars from table II.

E.3. Mean Collision Frequency

The mean collision frequency, $\rm V_{\rm C}$, is considered to be the average speed of air particles contained in an air parcel, divided by the mean free path of the particles inside that parcel. Computationally this is equivalent to

$$V_{c} = \frac{V}{L} (sec^{-1}) \qquad (77)$$

To determine $V_{\rm C}$ for dry air, use V and L from equations (70) and (74). To determine $V_{\rm C}$ for moist air, use V and L from equations (72) and (76).

E.4. Speed of Sound

The expression for the speed of sound, $\mathbf{C}_{\mathbf{S}}$, in meters per second in dry air, is

$$C_{s} = \sqrt{\frac{\gamma R * T}{M}} \quad . \tag{78}$$

To compute C_s for dry air from tabulated values, use

$$C_s = \sqrt{4.0185 \times 10^2 \times T}$$
 (meters per second), (79)

where T is the temperature in degrees Kelvin from table II. One form for the speed of sound in moist air is

$$C_s \approx \sqrt{\gamma R' T_v}$$
 , (80)

where $T_{_{\mbox{\scriptsize V}}}$ is the virtual temperature from table III. A computational form for moist air is

$$C_s \approx \sqrt{4.0185 \times 10^2 T_V}$$
 (meters per second) . (31)

E.5. Dynamic Coefficient of Viscosity

The coefficient of dynamic viscosity, μ , is defined as a coefficient of internal friction developed where gas regions move adjacent to each other at different velocities. The following expression is taken from the U.S. Standard Atmosphere (1976):

$$\mu = \frac{\beta \cdot T^{3/2}}{T + S} \qquad . \tag{82}$$

The computational form is

$$\mu = \frac{(1.458 \times 10^{-6}) \text{ T}^{3/2}}{\text{T} + 110.4}$$
 (kilograms per second per meter), (83)

where T is the temperature in degrees Kelvin from table II.

E.6. Kinematic Coefficient of Viscosity

The kinematic coefficient of viscosity, designated as η , is defined to be the ratio of the dynamic coefficient of viscosity of a gas to its density, or

$$\eta = \mu/\rho \qquad . \tag{84}$$

The computational form is

$$n = 1.0 \times 10^3 \, \mu/\rho$$
. (square meters per second) , (85)

where μ is the dynamic coefficient of viscosity from equation (83) and ρ is the density in grams per cubic meter from table II.

E.7. Coefficient of Thermal Conductivity

The empirical expression used for the coefficient of thermal conductivity, designated as $\rm K_{+}$, is given in the 1976 Standard Atmosphere as

$$K_{t} = \frac{2.65019 \times 10^{-3} \cdot T^{3/2}}{T + 245.4 \times 10^{-(12/T)}}$$
 (watts per meter per degree Kelvin) , (86)

where T is in degrees Kelvin.

E.8. Refractive Modulus and Refractive Index

The refractive modulus or refractivity (Selby and McClatchey, 1975; Smith and Weintraub, 1953) is defined as N, where

$$N = (n - 1) \cdot 10^6 \tag{87}$$

and n is the refractive index.

For microwave frequencies below approximately 30 GHz (equivalent to wavelengths above 1 cm), N, the refractive modulus, is given by the empirical equation

$$N = 77.6 \frac{P}{T_d} + 3.73 \times 10^5 \frac{e}{T^2}$$
 (dimensionless), (88)

where E and P are in millibars and T and T_d are in degrees Kelvin.

The following expression is valid for the visible and infrared wavelengths shorter than approximately 30 μm (0.03 mm).

$$N = 77.6 \frac{P}{T} + 0.584 \frac{P}{T\lambda} \quad \text{(dimensionless)}, \tag{39}$$

where λ is the wavelength in microns and T is in degrees Kelvin.

The expression for N for the wavelength from 0.03~mm to 1 cm is an extremely complex function of wavelength.

CHAPTER IV. CONCLUSIONS AND RECOMMENDATIONS

Conclusions

This document satisfies the technical objectives established for the RRAC by the RCC MG. Upper air statistics and models for wind and thermodynamic quantities for the specific site have been derived in a consistent and uniform manner, which will be used in publications for all other assigned site locations. These RRAs represent an improvement over the previously published RRAs because of the availability of more extensive upper air data bases and the adaptation of more advanced statistical techniques. A statistical measure of central tendency (mean values) and a measure of dispersion (standard deviation with respect to the mean values) for monthly and annual reference periods have been tabulated for all variables in a consistent manner from data bases that have been edited and quality-controlled in the same manner. Further, a statistical measure for symmetry (skewness coefficient that involves the third statistical moment) has been tabulated for all variables except the U and V wind components. Even with these improvements, the user of these RRAs must recognize certain limitations of the statistical tabulations:

- 1) The wind profile structure with respect to altitude cannot be modeled from the RRA statistics because the interlevel and crosslevel correlations were not computed.
- 2) The profile structure with respect to altitude for any of the thermodynamic variables or any quantities derivable from these variables cannot be modeled because the prerequisite correlations were not computed. However, the profiles of monthly and annual means for pressure, virtual temperature, and density are in agreement (table IV) with the hydrostatic equation and the equation of state.

The preceding limitations are cited to prevent a misuse of the RRAs. More extensive statistical tabulations were beyond the scope of this committee's task. As greater insight is gained through usage of these RRAs, many adaptations of the statistical tabulations for specific engineering and scientific applications are envisioned.

Recommendations

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It is recommended than the wind and thermodynamic statistical tabulations and attendant models contained in the RRAs be used as a standard reference source, as may be appropriate, by the ranges and range users. It is further recommended that the respective Range Staff Meteorologist or responsible agency staff member be consulted for the applicability of the RRAs for specific engineering applications.

REFERENCES

- Buell, Eugene C.: "Statistical Relations in a Perfect Gas." Journal of Applied Meteorology, 9, 1970, pp. 729-731.
- List, R. J., Editor: Acceleration of Gravity, Smithsonian Meteorological Tables, Sixth Ed. Smithsonian Institution, Washington, D.C., 1968, pp. 488.
- Selby, J.E.A.; and McClatchey, R.A.: AFCRL-TR-75-0255, Atmospheric Transmittance from 0.25 to 28.5 μm Computer Code Lowtran 3, Air Force Cambridge Research Laboratories. Available through the National Technical Information Service, Washington, D.C., 1975.
- Smith, E.K.; and Weintraub, S.: "The Constants in the Equation for Atmospheric Refractive Index at Radio Frequencies," <u>Proceedings of the Institute of Radio Engineers</u>, 41, 8, August 1953, pp. 1035-1037.
- Smith, O.E.: NASA TM X-73319, <u>Vector Wind and Vector Wind Shear Models at 0-27 km Altitude for Cape Kennedy, Florida, and Vandenberg AFB, California.</u> Prepared under sponsorship of the National Aeronautics and Space Administration. Available through the National Technical Information Service, Washington, D.C., July 1976.
- U.S. Standard Atmosphere, 1976. Prepared under the sponsorship of the National Aeronautics and Space Administration, United States Air Force, and United States Weather Bureau. Available through U.S. Government Printing Office, Washington, D.C., October 1976.

PREVIOUS RANGE REFERENCE ATMOSPHERES PUBLISHED BY IRIG

- Atlantic Missile Range Reference Atmosphere for Cape Kennedy, Florida (Part I), Document 104-63, April 16, 1963. (AD451780)
- White Sands Missile Range Reference Atmosphere (Part I), Document 104-63, June 28, 1964. (AD451781)
- Fort Churchill Missile Range Reference Atmosphere for Fort Churchill, Manitoba, Canada (Part I), Document 104-63, August 7, 1964. (AD634727)
- Pacific Missile Range Reference Atmosphere for Eniwetok, Marshall Islands (Part I), Document 104-63, September 1, 1964. (AD479264)
- Fort Greely Missile Range Reference Atmosphere (Part I), Document 104-63, October 6, 1964. (AD634726)
- Eglin Gulf Test Range Atmosphere for Eglin AFB, Florida (Part I), Document 104-63, January 25, 1965. (AD472601)

Pacific Missile Range Atmosphere for Point Arguello, California (Part I), Document 104-63, April 1965. (AD472602)

Wallops Island Test Range Reference Atmosphere (Part I), Document 104-63, July 10, 1965. (AD474071)

Eastern Test Range Reference Atmosphere for Ascension Island, South Atlantic (Part I), Document 104-63, July 1966. (AD645591)

Johnston Island Test Site Reference Atmosphere (Part I), Document 104-63, January 1970. (AD782652)

Lihue, Kauai, Hawaii Reference Atmosphere (Part I), Document 104-63, January 1970. (AD782653).

Cape Kennedy, Florida Reference Atmosphere (Part II), Document 104-63, September 1971. (AD751581)

White Sands Missile Range Reference Atmosphere (Part II), Document 104-63, September 1971. (AD782654)

Wallops Island Test Range Reference Atmosphere (Part II), Document 104-63, September 1971. (ADAO40280)

Fort Greely Missile Range Reference Atmosphere (Part II), Document 104-63, September 1971. (ADAO40281

Edwards Air Force Base Reference Atmosphere (Part I), Document 104-63, September 1972. (AD782651)

Kwajalein Missile Range Reference Atmosphere for Kwajalein, Marshall Islands (Part I), Document 104-63, October 1974. (ADA002664)

Pacific Missile Test Center Reference Atmosphere for Point Arguello, California (Part II), Document 104-63, November 1975. (ADA040279)

REVISED RANGE REFERENCE ATMOSPHERES PUBLISHED BY THE RCC

Kwajalein Missile Range, Kwajalein, Marshall Islands, Range Reference Atmosphere, 0-70 Km Altitude, Document 360-82, December 1982. (AD123424)

<u>Cape Canaveral, Florida, Range Reference Atmosphere, 0-70 Km Altitude, Document 361-83, February 1983. (ADA125553)</u>

Vandenberg Air Force Base, California, Range Reference Atmosphere, 0-70 Km Altitude, Document 362-83, April 1983.

Dugway, Utah, Range Reference Atmosphere, 0-30 Km Altitude, Document 363-83, June 1983.

Wallops Island, Virginia, Range Reference Atmosphere, 0-70 Km Altitude, Document 364-83, July 1983.

White Sands Missile Range, New Mexico, Range Reference Atmosphere, 0-70 Km Altitude, Document 365-83, August 1983.

Edwards AFB, California, Range Reference Atmosphere, 0-70 Km Altitude, Document 366-83, August 1983.

Eglin AFB, Florida, Range Reference Atmosphere, 0-30 Km Altitude, Document 367-83, September 1983.

In addition to the documents above and the present RRA for Taquac, Guam Island, the revised series will include RRAs for the following locations:

Point Mugu, California Barking Sands, Hawaii Ascension Island, South Atlantic

CONVERSION UNITS

Physical Constants and Conversion Factors

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Numerical values in this document are given in the International System of Units (SI, Système International d'Unités). The values in parentheses are equivalent U.S. Customary Units, which are English units adapted for use by the United States of America. The SI and U.S. Customary Units provided in table F are those normally used for measuring and reporting atmospheric data.

By definition, the following fundamental conversion factors are exact:

Type	U.S. Customary Units	Metric
Length Mass Time Temperature	<pre>1 U.S. yard (yd) 1 avoirdupois pound (1b) 1 second (s) 1 degree Rankine (°R)</pre>	0.9144 meter (m) 453.59237 gram (g) 1 second (s) 9/5 degree Kelvin (K)

To aid in the conversion of units, conversion factors based on the above fundamental conversion factors are given in table F.

TABLE F. FACTORS FOR CONVERSION UNITS

	MI TRIC		U.S. CUSTOMARY	WARY		CONVI RSION	
Lype of Data	l mr	Abbreviation	tiu.)	Abbreviation	Multiply	E)	To Get
II MPI RATURI							
Ambient Jemperature	degree Celsius	U	degree Lahrenheit	· · ·	"I - 32	0.5556	Ú
	degree Kelvin	: 2	degree Rankine	~	J,	1.8*	1 - 32
					*	-1.00*	1 + 459.67
					R - 459.67	*00"	
			-		X	* * * * * * * * * * * * * * * * * * * *	(+ 273.15
			-		N - 2/5.15		J
lemperature Change	degree Ceistus	J	degree Labrenheir	_	Car K	1.87	temp change
	degree Kelvin	:2	degree Rankine	×	t or 'R	0.5556	temp, thange Cot 1
DENSEN							
Nater Vapor Vapor Concentration	er man mer a chia manasa	"	de d	1	۳.	3	45.
(Absolute Humiday)	gram per cubic continueter	E CHOS	eran per cume foca		E List	2,2883	= E E = E.
					ب (۱۳	, 901	₩. #.
					. (F) E	2,388 × 10 th	19 11 7 2 Cill 3
WIND							
Windspeed	meter per second	1-\m	mile per hour	դմու	T-\H	2,2369	րև
			knots	knork	ųdm	0,44704*	J-\ E
			feet per second	۳٠ <u>٠</u>	. w	1.9438	knots
					knot	0.51444	, . II
					ųdu	0.8689*6	knet
					Khots L. II	3,2808	1-/-
					7,4	0,3048*	m.¹-1
DISTANCE							
length	meter	a	leel	÷	Ξ	3,2808	ä
	mka	1	mch	ü	=	0,3048	E
	Vassitom unit	_			Ē	2.54 \ 10*47	1
					₫	2.54 \ 10.76	_
					Ē.	01 01	a ′

* Defined exact conversion factor

TABLE F. (continued)

The constraint of the constrai

	METRIC		L. S. CUSTOMARY	MARY		CONVI RSION	
Type of Data	Unit	Abbreviation	Unit	Abbrevistion	Multiply	#3,	In Get
MSTANCE of the dead						9-111	
Commission of the Commission o					•	y	=
					1	3.937 \ 10 '	É
					<	• · · ·	=
					٧	3.937 \ 10	iñ.
MASS							
Weight	gram	u	grain		£	0.45359237*	נ
	kilogram	. 3	punced	. 4	ē	453.59237*	. 24
					ķ	2.20462	Ŧ
					90	15.4324	ŭ.
					gt	0.06480	ı,
PRISSURI							
Atmospheric	newton per square meter	newton m ⁻²	pound force per	1b in. ⁻²	dm.	10-3•	ã
			sdness such		bar	103*	î
	millimeter of Mercury	mmHg	inch of Mercury	in. Hg	newton m ⁻²	10.5	mp
					newton in 2	1.4504 \ 10	
					10 tm2	6.8948 \ 10.	newton m
	Jeg.	Į,			ę	1.4504 \ 10 2	# H H
	milliber	đe ,			lb in -2	68.94K	da.
	dyne per square	dyne cm ⁻²			ap c	103	dyne cm ⁻²
	condimenter (microbar)	ŕ			dyne cm ⁻²	10.3	f
	kilogram force per	kg m²²			lb in. ^{- 2}	6.8948 × 10*	dynevni
	אחרוב שנוני				dyne cm.	1.4804 x 10 ⁷³	- Fa 14.
					đE (10.1972	fig m -
					kg m²²	0.0980665	để.
					16 in. '	703.06%	Kg m
					kg m. t	0.0m14227	Po in.
					di.	2.9530 \ 10^2	in.Hg (32'1)
					фщ	D. 7500h	mastly (n°C)
					in. Hg (32 1)	25.40*	mentife (0°C)
					mmHg (O'C)	1.33322	ŧ
	•				in.Hg (32'1)	33.8639	mh C
	percel	4			Z.	1.00	newton m

Defined exact conversion factor

TABLE	1. 1		ISTICAL PA	Pame Tems.		JA	NUARY		
STATION		CAUDAT							
Ž	MEAN U	5.D. U	R(U,V)	MEAN V	S.D. V	MEAN WS	S.D. WS	skeh hs	NOBS
124 . i 1 i	11/5 -4. 35	M/S 1.95	.1641	M/S -1.19	M/S 1.82	H/S 4.93	M/S 1.81	12	375.
1.000	-9.18	4.80	.2627	-1.19	4.16	10.53	3.95	.05	420.
2.000	-7.40	5.25	.2033	66	3.69	8.96	4.02	.03	422.
2.000	-6.34	5.60	.2652	10	3.80	8.40	3.93	.33	422.
4.000	-5.89	5.52	.2211	.63	3.94	8.11	3.99	.47	422.
5.000	-5.80	5.29	.0429	.71	4.08	8.03	3.77	.46	423.
6.000	-5.62	5.29	0017	1.05	4.61	8.19	3.83	. 39	422.
7.000	-4.69	5.14	0044	.92	4.45	7.53	3.51	.62	421.
9.000	-3.65	5.27	0630	.57	4.29	6.84	3.60	.77	419.
9.000	-2.40	5.08	1159	.42	4.45	6.29	3.45	.85	418.
10.000	-1.43	5.14	1119	. 79	4.51	6.12	3.45	. 99	416.
11.000	71	5.47	0485	1.59	5.12	6.70	3.75	. 88	416.
12.000	70	5.44	~.0569	2.87	5.40	7.25	3.84	. 98	413.
13.000	-1.12	5.71	1240	4.11	5.68	0.11	4.16	.92	413.
14.000	-2.26	5.76	1055	5.27	6.20	9.12	4.61	.60	413.
15.00 0	-4.40	5.87	2696	6.09	6.78	10.41	5.36	.52	408.
16.000	-7.10	6.01	4467	5.38	5.82	10.68	5.94	.65	3 92.
17.000	-8.11	5.38	4980	4.15	4.89	10.26	5.52	.54	349.
18.000	-6.84 -5.29	4.36 4.71	2212	1.62	3.13	7.97	3.83	.25	350.
19 000 20,880	-4.10	5.63	0988 .0171	.29 .12	2.42 1.99	6.56 6.13	3.62 3.84	.42 .67	342. 341.
21.000 21.000	-3.93	6.82	1332	. 16	2.15	6.78	4.54	.63	327.
25.000	-3.93 -4.40	7.85	1116	.10	2.07	7.86	4.84	.66	320.
23.000	-4.80	8.85	0697	.17	2.31	9.10	4.68	.84	3i6.
000 ناخ	-5.30	9.53	0234	. 14	2.45	9.85	5.25	.81	314.
25.000	-4.84	10.35	0388	02	2.61	10.09	5.94	.85	368.
SP 200	-4,34	11.65	0014	.00	2.93	10.34	6.54	.93	297.
27.000	-3.34	12.40	.0460	.10	3.19	11.19	7.03	1.13	276.
26,500	-1.93	13.49	.07-3	.41	3.61	12.33	6.51	1.06	245.
29.000	85	14.03	.1355	.57	3.64	13.07	5.29	.65	229.
35.000	25	15.14	.1053	.86	3.77	14.07	6.70	.81	169.
TABLE STATION	1. 2 - 912170	HIND STAT	ISTICAL PA	RAMETERS.		FE	BRUARY		
				RAMETERS. MEAN V	5.D. V	FE MEAN HS	BRUARY S.D. WS	skeh ma	NOBS
STATION Z MM	= 912170 MEAN U M/S	TAGUAC S.D. U M/S	R(U,V)	MEAN V M/S	M/S	MEAN WS M/S	S.D. WS M/S		
STATION Z KM .111	= 912170 MEAN U M/S -4.40	TAGUAC S.D. U M/S 1.79	R(U,V)	MEAN V M/S -1.25	M/S 1.81	MEAN HS M/S 4.97	S.D. WS M/S 1.62	.04	341.
STATION Z MM .111 1.000	= 912170 MEAN U M/S -4.40 -9.41	TAGUAC S.D. U M/S 1.79 3.91	R(U,V) .1371 .2362	MEAN V M/S -1.25 -1.42	M/S 1.01 3.75	MEAN WS M/S 4.97 10.45	5.D. WS M/S 1.62 3.27	.04 17	341. 393.
STATION Z	= 912170 MEAN U M/S -4.40 -9.41 -7.21	TAGUAC 5.D. U M/S 1.79 3.91 4.15	R(U,V) .1371 .2362 .2816	MEAN V M/S -1.25 -1.42 -1.09	M/S 1.81 3.75 3.75	MEAN HS M/S 4.97 10.45 8.47	5.D. WS M/S 1.62 3.27 3.55	.04 17 .23	341. 383. 364.
STATION Z MM .111 1.000 2.000 3.000	= 912170 MEAN U M/S -4.40 -9.41 -7.21 -4.98	TAGUAC S.D. U M/S 1.79 3.91 4.15 4.16	.1371 .2362 .2816 .1451	MEAN V M/S -1.25 -1.42 -1.09 65	M/S 1.81 3.75 3.75 4.01	MEAN HS H/S 4.97 10.45 8.47 6.89	5.D. WS M/S 1.62 3.27 3.55 3.34	.04 17 .23 .89	341. 383. 364. 384.
STATION Z MM .111 1.000 2.000 3.000 4.000	= 912170 MEAN U M/S -4.40 -9.41 -7.21 -4.98 -4.09	TAGUAC S.D. U M/S 1.79 3.91 4.15 4.16 4.03	.1371 .2362 .2816 .1451 .1359	MEAN V M/S -1.25 -1.42 -1.09 65 55	M/S 1.81 3.75 3.75 4.01 3.90	MEAN WS M/S 4.97 10.45 8.47 6.89 6.22	S.D. WS M/S 1.62 3.27 3.55 3.34 3.13	.04 17 .23 .89	341. 383. 384. 384.
STATION Z	= 912170 MEAN U M/S -4.40 -9.41 -7.21 -4.98 -4.09 -4.10	TAGUAC S.D. U M/S 1.78 3.91 4.15 4.16 4.03 4.13	.1371 .2362 .2816 .1451 .1359 .0262	MEAN V M/S -1.25 -1.42 -1.09 65 55 74	M/S 1.81 3.75 3.75 4.01 3.90 4.63	MEAN WS M/S 4.97 10.45 8.47 6.89 6.22 6.69	S.D. WS M/S 1.62 3.27 3.55 3.34 3.13 3.31	.04 17 .23 .89 .78	341. 383. 384. 384. 383.
STATION Z	= 912170 MEAN U M/S -4.40 -9.41 -7.21 -4.98 -4.09 -4.10 -3.62	TAGUAC S.D. U M/S 1.79 3.91 4.15 4.16 4.03 4.13 4.78	R(U,V) .1371 .2362 .2816 .1451 .1359 .0262 .0099	MEAN V M/S -1.25 -1.42 -1.09 65 55 74 61	M/S 1.01 3.75 3.75 4.01 3.90 4.63 5.10	MEAN HS M/S 4.97 10.45 8.47 6.89 6.22 6.69 6.92	S.D. WS M/S 1.62 3.27 3.55 3.34 3.13 3.31	.04 17 .23 .89 .78 .56	341. 383. 384. 384. 383. 383.
STATION Z MM .111 1.000 2.000 3.000 4.000 5.000 6.000 7.000	= 912170 MEAN U M/S -4.40 -9.41 -7.21 -4.98 -4.09 -4.10 -3.62 -3.25	TAGUAC 5.D. U M/S 1.79 3.91 4.15 4.16 4.03 4.13 4.78	R(U,V) .1371 .2362 .2816 .1451 .1359 .0262 .0099 0925	MEAN V M/S -1.25 -1.42 -1.09 65 55 74 61	M/S 1.01 3.75 3.75 4.01 3.90 4.63 5.10 5.66	MEAN HS M/S 4.97 10.45 8.47 6.89 6.22 6.69 6.92 7.27	5.D. WS M/S 1.62 3.27 3.55 3.34 3.13 3.31 3.80 3.66	.04 17 .23 .89 .78 .55	341. 383. 384. 384. 383. 383. 383.
STATION Z MM .111 1.000 2.000 3.000 4.000 5.000 6.000 7.000 8.000	= 912170 MEAN U M/S -4.40 -9.41 -7.21 -4.98 -4.09 -4.10 -3.62 -3.25 -2.15	TAGUAC 5.D. U M/S 1.79 3.91 4.15 4.16 4.03 4.13 4.78 4.78 4.99	. 1371 .2362 .2816 .1451 .1359 .0262 .0999 0925	MEAN V M/S -1.25 -1.92 -1.09 65 55 74 61 88 -1.33	M/S 1.81 3.75 3.75 4.01 3.90 4.63 5.10 5.66 5.64	MEAN WS M/S 4.97 10.45 8.47 6.89 6.22 6.69 7.27 7.07	5.0. WS M/S 1.62 3.27 3.55 3.34 3.13 3.80 3.66 3.62	.04 17 .23 .89 .78 .56 .76	341. 383. 384. 384. 383. 383. 383. 377.
STATION Z MM .111 1.000 2.000 3.000 4.000 5.000 6.000 7.000 8.000 9.000	= 912170 MEAN U M/S -4.40 -9.41 -7.21 -4.98 -4.09 -4.10 -3.62 -3.25 -2.15 40	TAGUAC 5.D. U M/S 1.79 3.91 4.15 4.16 4.03 4.13 4.78 4.78 4.99 5.22	R(U,V) .1371 .2362 .2816 .1451 .1359 .0262 .0099092524463114	MEAN V M/S -1.25 -1.42 -1.09 65 55 74 61 88 -1.33	M/S 1.81 3.75 3.75 4.01 3.90 4.63 5.10 5.66 5.64 5.29	MEAN WS M/S 4.97 10.45 6.89 6.22 6.69 6.92 7.27 7.07 6.57	5.D. WS M/S 1.62 3.27 3.55 3.34 3.13 3.80 3.66 3.66 3.76	.04 17 .23 .89 .78 .56 .76 .65	341. 383. 364. 384. 383. 383. 383. 377. 372.
STATION Z MM .111 1.000 2.000 3.000 4.000 5.000 6.000 7.000 8.000 9.000 10.000	= 912170 MEAN U M/S -4.40 -7.21 -4.98 -4.09 -4.10 -3.62 -3.25 -2.15 40	TAGUAC 5.D. U M/S 1.79 3.91 4.15 4.16 4.03 4.13 4.78 4.78 4.79 5.22 5.58	R(U,V) .1371 .2362 .2816 .1451 .1359 .0262 .0099 -0925 -2446 -3114 -1968	MEAN V M/S -1.25 -1.42 -1.09 65 55 74 61 -1.88 -1.33 -1.41	M/S 1.81 3.75 3.75 3.90 4.63 5.10 5.66 5.64 5.29	MEAN WS M/S 4.97 10.45 8.47 6.89 6.22 6.69 6.92 7.27 7.07 6.57 6.65	5.D. WS M/S 1.62 3.27 3.55 3.34 3.13 3.80 3.66 3.62 3.76 3.58	.04 17 .23 .89 .78 .56 .76 .65 .81	341. 383. 384. 384. 383. 383. 383. 377. 372. 372.
STATION Z MM .111 1.000 2.000 3.000 4.000 5.000 6.000 7.000 8.000 9.000 10.000 11.000	= 912170 MEAN U M/S -4.40 -9.41 -7.21 -4.98 -4.09 -4.10 -3.52 -3.25 -2.15 40	TAGUAC 5.D. U M/S 1.78 3.91 4.15 4.16 4.03 4.13 4.78 4.78 4.99 5.22 5.58 6.15	. 1371 .2362 .2816 .1451 .1359 .0262 .0099 0925 2446 3114 1968 1176	MEAN V M/S -1.25 -1.42 -1.09 65 55 74 61 88 -1.33 -1.41	M/S 1.81 3.75 3.75 4.01 3.90 4.63 5.10 5.66 5.64 5.29 4.83	MEAN HS M/S 4.97 10.45 8.47 6.89 6.22 6.69 7.27 7.07 6.57 6.65 7.20	5.D. WS M/S 1.62 3.55 3.34 3.13 3.31 3.66 3.62 3.76 3.58	.04 17 .23 .89 .78 .56 .76 .65 .81 1.20	341. 383. 364. 363. 363. 363. 377. 372. 372. 369.
STATION Z MM .111 1.000 2.000 3.000 4.000 5.000 6.000 7.000 8.000 9.000 10.000 11.000	= 912170 MEAN U M/S -4.40 -9.41 -7.21 -4.98 -4.09 -4.10 -3.62 -3.25 -2.15 -40 1.89 2.36	TAGUAC S.D. U M/S 1.78 3.91 4.15 4.16 4.03 4.13 4.78 4.78 4.78 4.99 5.22 5.58 6.15 6.29	.1371 .2362 .2816 .1451 .1359 .0262 .0099 0925 2446 3114 1176 0869	MEAN V M/S -1.25 -1.42 -1.09 65 55 74 61 88 -1.33 -1.41 64 .83	M/S 1.81 3.75 3.75 4.01 3.90 4.63 5.10 5.66 5.64 5.29 4.83 5.30	MEAN HS M/S 4.97 10.45 8.47 6.89 6.22 6.69 7.27 7.07 6.57 6.65 7.20 8.12	5.D. WS M/S 1.62 3.55 3.34 3.13 3.31 3.66 3.62 3.76 3.58 3.68	.04 17 .23 .89 .78 .56 .76 .65 .81 1.20 1.28 .77	341. 383. 364. 363. 363. 377. 372. 372. 369. 369.
STATION Z MM .111 1.000 2.000 3.000 4.000 5.000 6.000 7.000 8.000 9.000 10.000 11.000 12.000 13.000	= 912170 MEAN U M/S -9.41 -7.21 -4.98 -4.10 -3.62 -3.25 -2.15 40 .91 1.89 2.36 2.34	TAGUAC 5.D. U M/S 1.79 3.91 4.15 4.16 4.03 4.13 4.78 4.78 4.99 5.22 5.58 6.15 6.29 6.55	R(U,V) .1371 .2362 .2816 .1451 .1359 .0262 .09990925244631141969117608691273	MEAN V M/S -1.25 -1.92 -1.09 65 55 74 61 88 -1.33 -1.41 64 .83 3.00 4.59	M/S 1.81 3.75 3.75 4.01 3.90 4.63 5.10 5.66 5.64 5.29 4.99 4.83 5.30 5.90	MEAN WS M/S 4.97 10.45 8.47 6.89 6.22 6.69 7.27 7.07 6.57 6.65 7.20 8.12 9.07	5.0. WS M/S 1.62 3.27 3.55 3.34 3.13 3.31 3.80 3.66 3.62 3.76 3.58 4.67	.04 17 .23 .89 .78 .56 .76 .65 .81 1.20 1.28 .77 .69	341. 383. 384. 384. 383. 383. 377. 372. 369. 369. 369.
STATION Z MM .111 1.000 2.000 3.000 4.000 5.000 6.000 7.000 8.000 9.000 10.000 11.000 12.000 13.000 14.000	= 912170 MEAN U M/S -4.40 -9.41 -7.21 -4.98 -4.09 -4.10 -3.62 -3.25 -2.15 40 .91 1.89 2.36 2.34 1.50	TAGUAC 5.D. U M/S 1.79 3.91 4.15 4.16 4.03 4.13 4.78 4.78 4.79 5.22 5.58 6.15 6.29 6.55 6.72	R(U,V) .1371 .2362 .2816 .1451 .1359 .0262 .099909252446311419681176086912732161	MEAN V M/S -1.25 -1.09 65 55 74 61 88 -1.33 -1.41 64 .83 3.00 4.59 6.05	M/S 1.81 3.75 3.75 4.01 3.90 4.63 5.10 5.66 5.64 5.29 4.83 5.30	MEAN HS M/S 4.97 10.45 8.47 6.89 6.22 6.69 7.27 7.07 6.57 6.65 7.20 8.12	5.D. WS M/S 1.62 3.55 3.34 3.13 3.31 3.66 3.62 3.76 3.58 3.68	.04 17 .23 .89 .78 .56 .76 .65 .81 1.20 1.28 .77 .69	341. 383. 364. 363. 363. 377. 372. 372. 369. 369.
STATION Z MM .111 1.000 2.000 3.000 4.000 5.000 6.000 7.000 8.000 9.000 10.000 11.000 12.000 13.000	= 912170 MEAN U M/S -9.41 -7.21 -4.98 -4.10 -3.62 -3.25 -2.15 40 .91 1.89 2.36 2.34	TAGUAC 5.D. U M/S 1.79 3.91 4.15 4.16 4.03 4.13 4.78 4.78 4.99 5.22 5.58 6.15 6.29 6.55	R(U,V) .1371 .2362 .2816 .1451 .1359 .0262 .09990925244631141969117608691273	MEAN V M/S -1.25 -1.92 -1.09 65 55 74 61 88 -1.33 -1.41 64 .83 3.00 4.59	M/S 1.81 3.75 3.75 3.90 4.63 5.10 5.64 5.29 4.99 4.83 5.30 6.26	MEAN WS M/S 4.97 10.45 8.47 6.89 6.22 6.69 6.92 7.27 7.07 6.57 6.65 7.20 8.12	5.D. WS M/S 1.62 3.27 3.55 3.34 3.13 3.80 3.66 3.62 3.76 3.58 4.67 4.67	.04 17 .23 .89 .78 .56 .76 .65 .81 1.20 1.28 .77 .69	341. 383. 384. 384. 383. 383. 387. 377. 372. 369. 369. 367. 367.
STATION Z MM .111 1.000 2.000 3.000 4.000 5.000 7.000 8.000 9.000 10.000 11.000 12.000 13.000 14.000 15.000 15.000	= 912170 MEAN U M/S -4.40 -9.41 -7.21 -4.99 -4.10 -3.62 -3.25 -2.15 40 .91 1.89 2.36 2.34 1.50 24	TAGUAC 5.D. U M/S 1.79 3.91 4.15 4.16 4.03 4.13 4.78 4.78 4.99 5.22 5.58 6.15 6.29 6.55 6.29 6.55 6.72 7.00	R(U,V) .1371 .2362 .2816 .1451 .1359 .0262 .0099092524463114196811760869127321613586	MEAN V M/S -1.25 -1.42 -1.0965555188 -1.33 -1.416483 3.00 4.59 6.65 5.63 4.13	M/S 1.81 3.75 3.75 3.90 4.63 5.10 5.64 5.64 5.69 4.99 4.83 5.38 5.38 5.29 5.26	MEAN WS M/S 4.97 10.45 8.47 6.89 6.22 6.69 6.92 7.27 7.07 6.57 6.65 7.20 8.12 9.07 9.61	5.D. WS M/S 1.62 3.27 3.55 3.34 3.13 3.31 3.66 3.62 3.76 3.58 3.68 4.12 4.67	.04 17 .23 .89 .78 .56 .76 .65 .81 1.20 1.28 .77 .69	341. 383. 384. 383. 383. 383. 377. 372. 369. 369. 367. 360.
STATION Z MM .111 1.000 2.000 3.000 4.000 5.000 6.000 7.000 8.000 9.000 10.000 11.000 12.000 15.000 15.000 15.000	= 912170 MEAN U M/S -4.40 -9.41 -7.21 -4.98 -4.09 -4.10 -3.62 -3.25 -2.15 40 .91 1.89 2.36 2.34 1.50	TAGUAC S.D. U M/S 1.78 3.91 4.15 4.16 4.03 4.13 4.78 4.78 4.78 4.79 5.22 5.58 6.15 6.29 6.55 6.72 7.00 6.99	. 1371 .2362 .2816 .1451 .1359 .0262 .0099 0925 2446 3114 1968 1176 0869 1273 2161	MEAN V M/S -1.25 -1.09 65 55 74 61 88 -1.33 -1.41 64 .83 3.00 4.59 5.63	M/S 1.81 3.75 3.75 3.90 4.63 5.10 5.66 5.64 5.29 4.83 5.30 5.90 6.26 5.91 5.86	MEAN HS M/S 4.97 10.45 8.47 6.89 6.22 6.69 7.27 7.07 6.57 7.20 8.12 9.07 9.84 9.61	5.D. WS M/S 1.62 3.55 3.34 3.13 3.31 3.66 3.62 3.76 3.58 4.12 4.67 5.11	.04 17 .23 .89 .78 .56 .76 .65 .81 1.20 1.28 .77 .69 .67	341. 383. 384. 383. 383. 377. 372. 369. 369. 369. 361. 360.
STATION Z MM .111 1.000 2.000 3.000 4.000 5.000 6.000 7.000 8.000 9.000 10.000 11.000 12.000 13.000 14.000 15.000 15.000 16.000 17.000	= 912170 MEAN U M/S -4.40 -9.41 -7.21 -4.98 -4.09 -4.10 -3.62 -3.25 -2.15 -90 1.89 2.36 2.34 1.50 -2.47 -2.4	TAGUAC 5.D. U M/S 1.78 3.91 4.15 4.16 4.03 4.13 4.78 4.78 4.78 4.99 5.22 5.58 6.15 6.29 6.55 6.72 7.00 6.99 6.04	R(U,V) .1371 .2362 .2816 .1451 .1359 .0262 .009909252446311419681176086912732161358652124761	MEAN V M/S -1.25 -1.99 65 57 61 89 -1.33 -1.41 83 3.00 4.59 6.05 5.63 2.53	M/S 1.81 3.75 3.75 3.90 4.63 5.10 5.64 5.29 4.99 4.83 5.30 5.90 6.26 5.91 5.86 4.85 3.76	MEAN HS M/S 4.97 10.45 8.47 6.89 6.22 6.69 7.27 7.07 6.57 7.07 6.55 7.20 9.12 9.07 9.84	5.0. WS M/S 1.62 3.55 3.34 3.13 3.31 3.66 3.62 3.76 3.58 4.12 4.67 5.11 4.81 5.36 4.83	.04 17 .23 .89 .78 .56 .76 .65 .81 1.20 1.28 .77 .69 .67	341. 383. 384. 384. 383. 383. 382. 377. 372. 369. 367. 361. 360. 375. 344. 328.
STATION Z MM .111 1.000 2.000 3.000 4.000 5.000 6.000 7.000 8.000 9.000 10.000 11.000 12.000 14.000 15.000 15.000 16.000 17.000 18.000 19.000 19.000	= 912170 MEAN U M/S -4.40 -9.41 -7.21 -4.98 -4.09 -4.10 -3.62 -3.25 -2.15 40 1.89 2.36 2.34 1.50 -2.97 -4.24 -2.97 -4.24 -2.79 -2.79 -2.29	TAGUAC 5.D. U M/S 1.78 1.78 1.15 4.16 4.03 4.13 4.78 4.78 4.78 4.78 4.78 4.79 5.22 5.58 6.15 6.29 6.55 6.72 7.00 6.99 6.04 4.42 5.11		MEAN V M/S -1.25 -1.42 -1.0965556188 -1.33 -1.416483 -1.4165 -5.63 -1.52535223	M/S 1.81 3.75 3.75 3.90 4.63 5.64 5.69 4.83 5.39 5.90 6.91 5.86 4.85 3.09 2.68	MEAN WS M/S 4.97 10.45 8.47 6.89 6.22 6.69 6.92 7.27 7.07 6.57 6.65 7.20 8.12 9.07 9.64 9.61 8.95 7.81	5.0. WS M/S 1.62 3.27 3.34 3.13 3.31 3.80 3.66 3.58 3.68 4.12 4.67 5.11 4.81 5.36 4.83 3.14 3.01 3.35	.04 17 .23 .89 .78 .56 .76 .65 .81 1.20 1.28 .77 .69 .67 .61 .44 .89 .90 .84	341. 383. 384. 384. 383. 383. 387. 372. 369. 369. 367. 361. 360. 355. 344. 328. 329.
STATION Z MM .111 1.000 2.000 3.000 4.000 5.000 6.000 7.000 8.000 9.000 10.000 11.000 12.000 15.000 15.000 15.000 16.000 17.000 18.000 20.000 20.000 21.000	= 912170 MEAN U M/S -4.40 -9.41 -7.21 -4.98 -4.09 -4.10 -3.62 -3.25 -2.15 40 1.89 2.36 2.34 1.50 +2.97 -4.24 -2.97 -2.79 -2.79 -2.79	TAGUAC 5.D. U M/S 1.78 3.91 4.15 4.16 4.03 4.13 4.78 4.78 4.78 4.78 4.78 4.99 5.22 5.58 6.15 6.29 6.55 6.72 7.00 6.99 6.04 4.48 4.48 4.48 5.21 6.25	R(U.V) .1371 .2362 .2816 .1451 .1359 .0262 .0099092524463114196811760869127321613586521247612077069004500027	MEAN V M/S -1.25 -1.09 65 57 61 88 -1.33 -1.46 83 3.00 4.59 6.05 5.13 2.53 128 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123 123	M/S 1.81 3.75 3.75 3.90 4.63 5.64 5.64 5.69 4.83 5.90 6.26 5.86 5.86 5.86 5.86 5.86 5.86 5.86 5.8	MEAN HS M/S 4.97 10.45 6.89 6.22 6.69 6.27 7.07 6.55 7.07 9.84 9.07 9.61 8.95 7.86 5.09	5.0. WS M/S 1.62 3.55 3.34 3.13 3.66 3.62 3.76 3.58 3.68 4.12 4.67 5.11 4.81 5.36 4.83 3.14 3.01	.04 17 .23 .89 .78 .56 .76 .65 .81 1.20 1.28 .77 .69 .67 .61 .44 .89 .90	341. 383. 384. 383. 383. 383. 377. 372. 369. 369. 367. 361. 360. 375. 344. 328. 330. 322.
STATION Z MM .111 1.000 2.000 3.000 4.000 5.000 6.000 7.000 8.000 9.000 10.000 11.000 12.000 15.000 15.000 16.000 17.000 18.000 19.000 20.000 21.000 22.000	= 912170 MEAN U M/S -4.40 -9.41 -7.21 -4.98 -4.09 -4.10 -3.62 -3.25 -2.15 40 .91 1.50 24 -2.37 -4.24 -3.79 -2.29 -2.29 -3.52	TAGUAC 5.D. U M/S 1.78 3.91 4.15 4.16 4.03 4.13 4.78 4.78 4.99 5.28 6.55 6.29 6.55 6.70 6.99 6.04 4.48 4.48 4.41 6.25 7.28	R(U.V) .1371 .2362 .2816 .1451 .1359 .0262 .00990925244631141968117608691273216135865212476120770690045000270759	MEAN V M/S -1.25 -1.99 65 57 61 89 -1.33 -1.41 83 3.00 4.59 6.05 5.63 2.53 18 23 23 33 30	M/S 1.81 3.75 3.75 4.63 5.10 5.66 5.69 4.83 5.30 5.26 4.85 3.76 2.76 2.47 2.21	MEAN HS M/S 4.97 10.45 6.89 6.69 7.27 6.57 6.55 7.07 6.55 7.07 9.84 9.61 8.95 7.86 5.09 5.22 6.04 7.16	5.0. WS M/S 1.62 3.55 3.34 3.13 3.31 3.66 3.62 3.76 3.58 4.67 5.11 4.81 5.36 4.83 3.14 3.01 4.35	.04 17 .23 .89 .78 .56 .76 .65 .81 1.20 1.28 .77 .69 .67 .61 .44 .89 .90 .84 1.00 1.04 .96	341. 383. 384. 383. 383. 377. 372. 369. 369. 369. 361. 360. 375. 328. 330. 325. 329.
STATION Z MM .111 1.000 2.000 3.000 4.000 5.000 6.000 7.000 8.000 9.000 10.000 11.000 12.000 15.000 15.000 17.000 18.000 19.000 20.000 21.000 22.000 23.000	= 912170 MEAN U M/S -4.40 -9.41 -7.21 -4.98 -4.09 -4.10 -3.62 -3.25 -2.15 40 .91 1.89 2.36 2.34 1.50 -2.97 -4.24 -2.97 -2.79 -2.79 -2.79 -2.79 -2.24	TAGUAC 5.D. U M/S 1.79 3.91 4.15 4.16 4.03 4.13 4.78 4.78 4.78 4.78 4.78 4.78 4.78 4.78 4.78 4.78 4.78 4.78 4.78 4.78 4.78 4.78 4.78 4.78 4.78 4.78 4.78 4.78 4.78 4.78 4.78 4.78 4.78 4.78 4.78 4.78 4.78 4.78 4.78 4.78 4.78 4.78 4.78 4.78 4.78 4.78 4.78 5.29 6.29 6.04 4.48 5.11 6.25 7.28 8.66 8.66 8.66	R(U,V) .1371 .2362 .2816 .1451 .1359 .0262 .009909252446311419691176086912732161359652124761207706900450045007591078	MEAN V M/S -1.25 -1.92 -1.09655788 -1.33 -1.41683 3.00 4.59 6.05 5.63 4.13 2.52182318	M/S 1.81 3.75 3.75 3.90 4.63 5.66 5.69 4.83 5.90 6.26 5.91 5.86 5.90 6.26 5.86 5.29 4.21 2.22	MEAN HS M/S 4.97 10.45 6.89 6.22 6.69 6.92 7.27 7.07 6.57 6.65 7.20 8.12 9.07 9.84 9.61 8.95 7.81 5.86 5.09 5.22 6.04	5.0. WS M/S 1.62 3.55 3.34 3.13 3.31 3.80 3.66 3.52 3.76 3.58 4.67 5.11 4.67 5.36 4.67 5.36 4.03 4.03 4.03	.0417 .23 .89 .78 .56 .76 .65 .81 1.20 1.28 .77 .69 .67 .61 .44 .89 .90 1.04	341. 383. 384. 383. 383. 377. 372. 369. 369. 361. 360. 375. 344. 328. 329. 329. 329. 330. 325. 320.
STATION Z MM .111 1.000 2.000 3.000 4.000 5.000 6.000 7.000 8.000 9.000 10.000 11.000 12.000 15.000 15.000 15.000 15.000 15.000 15.000 20.000 21.000 22.000 23.000 24.000	= 912170 MEAN U M/S -4.40 -9.41 -7.21 -4.98 -4.09 -4.10 -3.62 -2.15 40 .91 1.89 2.36 2.34 1.50 -2.97 -4.24 -2.97 -4.279 -2.79 -2.79 -3.52 -4.99 -4.99	TAGUAC 5.D. U M/S 1.79 3.91 4.15 4.16 4.03 4.78 4.78 4.78 4.78 4.99 5.22 5.56 6.15 6.29 6.55 6.72 7.00 6.99 6.94 4.48 4.42 5.11 6.25 7.20 8.66 9.70	R(U.V) .1371 .2362 .2816 .1451 .1359 .0262 .0999092524463114196811760869127321613586521247612077069004500450075910781236	MEAN V M/S -1.25 -1.92 -1.0965576188 -1.33 -1.41643 3.00 4.59 6.05 5.63 4.1531823031818	M/S 1.81 3.75 3.75 3.90 4.63 5.64 5.69 4.99 4.83 5.90 6.26 5.91 5.86 5.91 5.86 5.29	MEAN WS M/S 4.97 10.45 8.47 6.89 6.22 6.69 6.92 7.07 6.57 6.65 7.27 9.84 9.61 8.95 7.86 5.09 5.22 6.04 7.664 9.88	5.0. WS M/S 1.62 3.27 3.55 3.34 3.13 3.80 3.66 3.62 3.76 3.58 4.67 5.11 4.81 5.36 4.81 5.36 4.35 4.35 4.35	.04 17 .23 .89 .56 .76 .65 .81 1.20 1.28 .77 .69 .67 .61 .44 .89 .90 .84 1.00 1.04 .98 .98	341. 383. 384. 383. 383. 383. 377. 372. 369. 367. 361. 360. 375. 344. 328. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329. 329.
STATION Z MM .111 1.000 2.000 3.000 4.000 5.000 6.000 7.000 8.000 9.000 10.000 11.000 12.000 15.000 15.000 15.000 15.000 17.000 18.000 20.000 21.000 22.000 23.000 24.000 25.000	= 912170 MEAN U M/S -9.41 -7.21 -4.98 -4.10 -3.62 -3.25 -2.15 40 1.89 2.36 2.36 2.34 1.50 -2.97 -4.24 -3.79 -2.79 -2.79 -2.79 -2.76 -3.52 -4.24 -5.13	TAGUAC 5.D. U M/S 1.78 3.91 4.15 4.16 4.03 4.13 4.78 4.78 4.78 4.78 4.78 4.78 4.78 4.78 4.78 4.78 4.78 4.99 5.22 5.58 6.15 6.29 6.55 5.72 7.00 6.99 6.04 4.42 5.11 6.25 7.28 8.66 9.70 10.71	R(U,V) .1371 .2362 .2816 .1451 .1359 .0262 .0099092524463114196811760869127321613586521247612077069004500450075910781636	MEAN V M/S -1.25 -1.42 -1.0955576188 -1.33 -1.4183 -1.555555555555555	M/S 1.81 3.75 3.75 3.90 4.63 5.66 5.69 4.83 5.96 5.99 4.83 5.96 5.99 4.83 5.96 5.99 4.83 5.96 5.99 4.83 5.86 5.89 5.86 5.89 5.86 5.89 5.86 5.89 5.86 5.89 5.86 5.89 5.86 5.89 5.89 5.89 5.89 5.89 5.89 5.89 5.89	MEAN WS M/S 4.97 10.45 8.47 6.89 6.69 6.69 7.27 7.07 6.65 7.20 8.12 9.07 9.84 9.61 8.95 7.81 5.86 5.09 6.04 7.16 8.69	5.0. WS M/S 1.62 3.55 3.34 3.13 3.80 3.66 3.62 3.76 3.58 4.12 4.67 5.11 4.81 5.36 4.83 3.14 3.01 3.35 4.83 5.13	.04 17 .23 .89 .78 .56 .76 .65 .81 1.20 1.28 .77 .69 .67 .61 .44 .89 .90 .84 1.00 1.04 .96 .98	341. 383. 384. 383. 383. 383. 377. 372. 369. 367. 361. 360. 375. 344. 328. 309. 300. 300. 303. 297.
STATION Z MM .111 1.000 2.000 3.000 4.000 5.000 6.000 7.000 8.000 9.000 10.000 11.000 12.000 15.000 15.000 16.000 17.000 18.000 20.000 20.000 21.000 22.000 23.000 24.000 25.000 25.000	= 912170 MEAN U M/S -4.40 -9.41 -7.21 -4.98 -4.09 -4.10 -3.62 -3.25 -2.15 40 1.69 2.36 2.34 1.50 -2.29 -4.24 -3.79 -2.79 -2.79 -2.79 -2.79 -2.79 -2.79 -2.79 -2.79 -2.79 -2.79 -2.79 -2.79	TAGUAC 5.D. U M/S 1.78 3.91 4.15 4.16 4.03 4.13 4.78 4.78 4.99 5.22 5.58 6.55 6.72 7.00 6.99 6.99 6.94 4.48 4.11 6.25 7.28 8.66 9.71 12.04	R(U,V) .1371 .2362 .2816 .1451 .1359 .0262 .00990925244631141968117608691273216135865212476120770690045004500759107812360616	MEAN /S -1.22 -1.0955576188 -1.33 -1.4683 -1.4683 -1.4683 -1.4613 -1.46131818181818181818	M/S 1.81 3.75 3.75 3.90 4.63 5.66 5.69 4.83 5.90 6.91 6.91 6.91 6.91 6.91 6.91 6.91 6.91	MEAN WS M/S 4.97 10.45 6.89 6.69 6.69 7.27 7.07 6.55 7.07 9.84 9.07 9.81 5.86 5.09 5.22 6.04 7.16 8.64 9.89	5.0. WS M/S 1.62 3.55 3.34 3.13 3.66 3.62 3.76 3.58 3.68 4.12 4.67 5.11 4.81 5.36 4.03 3.14 3.01 5.35 4.03 5.66	.04 17 .23 .89 .78 .56 .76 .65 .81 1.28 .77 .69 .67 .61 .44 .89 .90 .84 1.00 1.04 .96 .98 .58	341. 383. 384. 383. 383. 387. 372. 369. 369. 361. 360. 375. 344. 328. 330. 325. 309. 306. 309.
STATION Z MM .111 .000 2.000 3.000 4.000 5.000 6.000 7.000 8.000 9.000 10.000 11.000 12.000 13.000 14.000 15.000 16.000 17.000 18.000 19.000 20.000 21.000 22.000 23.000 24.000 25.000 26.000 26.000 27.000	= 912170 MEAN U M/S -4.40 -9.41 -7.21 -4.98 -4.09 -4.02 -3.25 -2.15 40 1.50 24 -2.36 2.34 1.50 24 -2.29 -2.79 -2.29 -2.29 -2.29 -3.79 -2.29 -4.98	TAGUAC 5.D. U M/S 1.78 3.91 4.15 4.16 4.03 4.18 4.78 4.99 5.28 6.55 6.29 6.55 6.70 6.99 4.48 4.48 5.11 6.29 6.04 4.48 5.15 6.29 6.04 4.13 4.13 4.13 4.78 4.78 4.13 4.78 4.78 4.78 4.78 4.78 4.78 4.78 4.78 4.78 4.78 4.78 4.78 4.78 4.78 4.78 4.78 6.29 6.29 6.04 4.15 6.29 6.29 6.29 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.2	R(U,V) .1371 .2362 .2816 .1451 .1359 .0262 .0099092524463114196811760869127321613586521247612077069004500759107816360616 .0243	MEAN VS -1.22 -1.09555765555788 -1.33 -1.4183 3.00 9.59 5.63 2.5318231818181818181818	M/S 1.81 3.75 3.90 3.63 5.66 5.29 4.83 5.90 6.91 5.92 6.91 6.92 2.22 2.23 2.23 2.23 2.23 2.23 2.23 2	MEAN . HS M/S 4.97 10.45 6.89 6.69 6.69 7.07 6.57 7.07 6.55 7.07 6.55 7.00 9.61 8.95 7.01 5.86 5.09 5.22 6.04 7.16 8.64 9.68 10.74 11.68 12.99	5.0. WS M/S 1.62 3.55 3.34 3.13 3.80 3.66 3.62 3.76 3.58 3.68 4.67 5.11 4.81 5.36 4.35 4.35 4.35 6.90	.0417 .23 .89 .78 .55 .76 .65 .81 1.20 1.28 .77 .69 .67 .61 .44 .89 .90 .84 1.00 1.04 .96 .98 .63 .29 .31	341. 383. 384. 384. 383. 383. 383. 377. 372. 369. 369. 369. 369. 369. 328. 329. 329. 300. 303. 297. 283.
STATION Z MM .111 .000 2.000 3.000 4.000 5.000 6.000 7.000 8.000 9.000 10.000 11.000 12.000 13.000 14.000 15.000 17.000 18.000 20.000 21.000 22.000 23.000 24.000 25.000 26.000 27.000 26.000	= 912170 MEAN U M/S -4.40 -9.41 -7.21 -4.98 -4.09 -4.10 -3.62 -3.25 -2.15 90 1.89 2.36 2.34 1.50 -2.97 -2.79 -2.79 -2.79 -2.79 -2.79 -3.52 -4.98 -4.97 -4.97 -4.97 -4.98 -4.97 -4.97 -4.98 -4.97 -4.97 -4.98 -4.97 -4.98 -4.97 -4.97 -4.98 -4.97 -4.98 -4.97 -4.97 -4.98 -4.97 -4.98 -4.97 -4.98 -4.98 -4.97 -4.98 -4.97 -4.98 -4.97 -4.98 -4.98 -4.98 -4.98 -4.98 -4.98 -4.98 -4.98 -4.98 -4.98 -4.98 -4.98 -4.98 -4.98 -4.98 -4.98 -4.98 -4.98 -4.98 -4.98 -4.98 -4.98 -4.98 -4.98 -4.98 -4.98 -4.98 -4.98 -4.98 -4.98 -4.98 -4.98 -4.98 -4.98 -4.98 -4.98 -4.98 -4.98 -4.98 -4.98 -4.98 -4.98 -4.98 -4.98 -4.98 -4.98 -4.98 -4.98 -4.98 -4.98 -4.98 -4.98 -4.98 -4.98 -4.98 -4.98 -4.98 -4.98 -4.98 -4.98 -4.98 -4.98 -4.98 -4.98 -4.98 -4.98 -4.98 -4.98 -4.98 -4.98 -4.98 -4.98 -4.98 -4.98 -4.98 -4.98 -4.98 -4.98 -4.98 -4.98 -4.98 -4.98 -4.98 -4.98 -4.98 -4.98 -4.98 -4.98 -4.98 -4.98 -4.98 -4.98 -4.98 -4.98 -4.98 -4.98 -4.98 -4.98 -4.98 -4.98 -4.98 -4.98 -4.98 -4.98 -4.98 -4.98 -4.98 -4.98 -4.98 -4.98 -4.98 -4.98 -4.98 -4.98 -4.98 -4.98 -4.98 -4.98 -4.98 -4.98 -4.98 -4.98 -4.98 -4.98 -4.98 -4.98 -4.98 -4.98 -4.98 -4.98 -4.98 -4.98 -4.98 -4.98 -4.98 -4.98 -4.98 -4.98 -4.98 -4.98 -4.98 -4.98 -4.98 -4.98 -4.98 -4.98 -4.98 -4.98 -4.98 -4.98 -4.98 -4.98 -4.98 -4.98 -4.98 -4.98 -4.98 -4.98 -4.98 -4.98 -4.98 -4.98 -4.98 -4.98 -4.98 -4.98 -4.98 -4.98 -4.98 -4.98 -4.98 -4.98 -4.98 -4.98 -4.98 -4.98 -4.98 -4.98 -4.98 -4.98 -4.98 -4.98 -4.98 -4.98 -4.98 -4.98 -4.98 -4.98 -4.98 -4.98 -4.98 -4.98 -4.98 -4.98 -4.98 -4.98 -4.98 -4.98 -4.98 -4.98 -4.98 -4.98 -4.98 -4.98 -4.98 -4.98 -4.98 -4.98 -4.98 -4.98 -4.98 -4.98 -4.98 -4.98 -4.98 -4.98 -4.98 -4.98 -4.98 -4.98 -4.98 -4.98 -4.98 -4.98 -4.98 -4.98 -4.98 -4.98 -4.98 -4.98 -4.98 -4.98 -4.98 -4.98 -4.98 -4.98 -4.98 -4.98	TAGUAC 5.D. U M/S 1.79 3.91 4.15 4.16 4.03 4.18 4.78 4.78 4.78 4.78 4.78 4.78 4.78 4.78 4.78 4.78 4.78 4.78 4.78 4.78 4.78 4.78 5.28 6.29 6.29 6.29 6.29 6.29 6.29 6.29 6.29 6.29 6.29 6.29 6.29 6.29 6.29 6.29 6.29 6.29 6.29 6.29 6.29 6.29 6.29 6.29 6.29 6.29 6.29 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.2	R(U,V) .1371 .2362 .2816 .1451 .1359 .0262 .00990925244631141969127321613586521247612077069004500759107816360616 .0243 .0569 .1183	MEAN V M/S -1.25 -1.92 -1.09655788 -1.33 -1.41683 3.00 4.59 6.05 5.63 2.521823182318231823182318231823182318231823182318231823182318231823182318231823182318231823182318231823182318231823182318231823182318231823182318231823182318231823182318231823182318231823182318231823182318231823182318231823182318231823182318231823182318231823182318231823182318231823182318231823182318231823182318231823182318231823182318231823182323232323232323	M/S 1.81 3.75 3.75 3.90 4.63 5.66 5.29 4.83 5.90 6.91 5.86 5.91 6.26 7.22 2.32 6.32 6.32 7.68 7.22 7.23 7.33 7.68 7.22 7.23 7.23 7.23 7.33 7.33 7.33 7.33	MEAN MS M/S 4.97 10.45 6.89 6.22 6.69 6.92 7.27 6.57 6.65 7.20 8.12 9.07 9.84 9.61 8.95 7.86 5.09 5.22 6.04 7.16 8.64 9.88 10.74 11.68 12.99 14.42	5.0. WS M/S 1.62 3.55 3.34 3.13 3.31 3.80 3.66 3.58 3.68 4.67 5.11 4.81 5.36 4.03 4.03 4.01 5.13 5.55 6.69 6.60	.0417 .23 .89 .78 .56 .76 .65 .81 1.20 1.28 .77 .69 .67 .61 .44 .89 .90 1.04 .96 .98 .31 .29 .16	341. 383. 384. 383. 383. 387. 372. 369. 369. 369. 359. 328. 329. 300. 303. 297. 283. 297. 283.
STATION Z MM .111 .000 2.000 3.000 4.000 5.000 6.000 7.000 8.000 9.000 10.000 11.000 12.000 13.000 14.000 15.000 16.000 17.000 18.000 19.000 20.000 21.000 22.000 23.000 24.000 25.000 26.000 26.000 27.000	= 912170 MEAN U M/S -4.40 -9.41 -7.21 -4.98 -4.09 -4.02 -3.25 -2.15 40 1.50 24 -2.36 2.34 1.50 24 -2.29 -2.79 -2.29 -2.29 -2.29 -3.79 -2.29 -4.98	TAGUAC 5.D. U M/S 1.78 3.91 4.15 4.16 4.03 4.18 4.78 4.99 5.28 6.55 6.29 6.55 6.70 6.99 4.48 4.48 5.11 6.29 6.04 4.48 5.15 6.29 6.04 4.13 4.13 4.13 4.78 4.78 4.13 4.78 4.78 4.78 4.78 4.78 4.78 4.78 4.78 4.78 4.78 4.78 4.78 4.78 4.78 4.78 4.78 6.29 6.29 6.04 4.15 6.29 6.29 6.29 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.2	R(U,V) .1371 .2362 .2816 .1451 .1359 .0262 .0099092524463114196811760869127321613586521247612077069004500759107816360616 .0243	MEAN VS -1.22 -1.09555765555788 -1.33 -1.4183 3.00 9.59 5.63 2.5318231818181818181818	M/S 1.81 3.75 3.90 3.63 5.66 5.29 4.83 5.90 6.91 5.92 6.91 6.92 2.22 2.23 2.23 2.23 2.23 2.23 2.23 2	MEAN . HS M/S 4.97 10.45 6.89 6.69 6.69 7.07 6.57 7.07 6.55 7.07 6.55 7.00 9.61 8.95 7.01 5.86 5.09 5.22 6.04 7.16 8.64 9.68 10.74 11.68 12.99	5.0. WS M/S 1.62 3.55 3.34 3.13 3.80 3.66 3.62 3.76 3.58 3.68 4.67 5.11 4.81 5.36 4.35 4.35 4.35 6.90	.0417 .23 .89 .78 .55 .76 .65 .81 1.20 1.28 .77 .69 .67 .61 .44 .89 .90 .84 1.00 1.04 .96 .98 .63 .29 .31	341. 383. 384. 384. 387. 382. 377. 372. 369. 369. 367. 360. 375. 328. 329. 326. 300. 303. 297. 283.

propertions and the propertion of the properties of the properties

TABLE	1. 3_	ITATE CHIM	STICAL PAR	AMETERS.		MA	PCH		
STATION .		TAGUAC S.D. U	R(U,V)	MEAN V	5.0. V	MEAN HS	S.D. HS	SKEH HS	NOBS
Z KM	MEAN U M/S	5.0. 0 M/S	RIU. V	M/S	M/S	M/S	M/S	3-LH H4	
. 111	-4.78	1.84	.0267	-1.23	1.64	5.22	1.78	.31	3 76.
1.000	-9.71	3.45	.0458	-1.59	3.18	10.42	3.20	.37	424.
2.000	-7.13	3.82	.1743	-1.04	2.84	7.98	3.30	.10	424.
3.000	-5.55	3.96	.2169	75	3.26	6.90	3.17 3.13	.42 .61	424. 424.
4.000	-4.35	3.88 4.23	.1221 7560.	71 71	3.67 4.08	6.17 6.25	3.15 3.16	.58	424.
5.000 6.000	-3.74 -3.31	4.76	.09a7	71 59	4.68	6.66	3.38	.67	422.
7.000	-2.48	5.15	0609	-1.05	4.78	6.80	3.21	.58	421.
8.000	-1.36	5.48	2024	-1.07	4.66	6.63	3.27	.57	417.
9.000	.04	5.75	1912	65	4.41	6.30	3.62	.71	415.
10.000	1.13	5.94	1721	07	4.40	6.43	3.81	.71	411.
11.000	1.97	6.42	1545	1.09	4.83	7.18	4.22 4.55	.72 .83	409. 407.
12.000	2.60	6.58 6.58	1197 1531	2.74 3.94	5.36 5.62	8.0 9 8.52	4.85	1.05	405.
13.000 14.000	2.41 1.71	6.73	1943	3.96	5.74	8.45	5.03	1.11	403.
15.000	06	6.92	3942	3.11	5.68	7.97	5.12	.98	401.
16.000	-2.99	6.93	4484	2.76	5.43	8.30	5.00	1.16	3 99.
17.000	-3.95	6.36	3616	1.76	4.27	7.70	4.24	1.02	3 71.
18.000	-3.18	4.54	1296	, 444	2.81	5.49	2.93	.56	371.
19.000	-1.87	4.22	0860	~.30	2.44	4.62	2.43	.50	36 7.
20.000	-1.17	4.79	0930	31	2.47	4.95	2.44	.42	362. 359.
21.000	-1.65	5.79	0651	.07	2.57	5.52	3.51 4.39	. 96 . 85	357.
26.000 23.000	-2.90 -3.91	6.96 8.33	0892 0891	. 15 10	2.20 2.18	6.51 7.97	5.08	.80	350.
24.000	-4.57	9.22	1333	22	2.46	9.16	5. <i>2</i> 9	.55	346.
25.000	-5.38	10.02	1025	31	2.40	13.05	5.83	.46	343.
26.000	-5.73	11.07	0563	43	2.76	10.86	6.70	.41	339.
27.000	-5.95	12.11	0937	42	3.25	11.69	7.47	.41	323.
28.000	-5,64	12.79	0212	43	3.73	12.32	7.57	.46	304.
29.000	6.02	13.09	.0005	35	4.08 	13.00	7.41 E.93	.43 .57	284. 224.
30.000	-5.75	12.93	0116	. 66	H , HG	13.11	6.93		CC7.
TABLE	1. 4	HIND STAT	ISTICAL P	ARAMETERS,		A	PRIL		
	- 912170	TAGUAC	;					04 0 110	HODE
STATION	= 912170 MEAN U	TAGUAC S.D. U		MEAN V	\$.D. V	MEAN WS	S.D. WS	skem ms	NOBS
STATION Z KM	= 912170 MEAN U M/S	TAGUAC S.D. U M/S	R(U,V)	MEAN V M/S	M/S	MEAN WS M/S	5.D. HS M/S		
STATION Z KM ,111	= 912170 MEAN U M/S -5.48	TAGUAC S.D. U M/S 1.84	; R(U,V) .0432	MEAN V M/S 96	M/S 1.33	MEAN WS M/S 5.76	5.D. HS M/S 1.72	.05 56	NOBS 346. 405.
STATION Z ION .111 1.000	= 912170 MEAN U M/S -5.48 -10.62	TAGUAC S.D. U M/S 1.84 2.95	.0432 .0509	MEAN V M/S	M/S	MEAN WS M/S	5.D. HS M/S	.05	346. 405. 405.
STATION Z KM ,111	= 912170 MEAN U M/S -5.48 -10.62 -8.61	TAGUAC S.D. U M/S 1.84	; R(U,V) .0432	MEAN V M/S 96 51	M/S 1.33 2.26 2.41 2.74	MEAN HS M/S 5.76 10.93 9.05 7.73	S.D. HS M/S 1.72 2.70 3.10 3.21	.05 56 03	346. 405. 405. 405.
STATION Z IOM .111 1.000 2.000	= 912170 MEAN U M/S -5.48 -10.62	TAGUAC S.D. U M/S 1.84 2.95 3.36 3.80 3.70	.0432 .0509 .1233 .2016	MEAN V M/S 96 51 63 70 90	M/S 1.33 2.26 2.41 2.74 2.82	MEAN WS M/S 5.76 10.93 9.05 7.73 7.16	S.D. WS M/S 1.72 2.70 3.10 3.21 2.96	.05 56 03 .02	346. 405. 405. 405. 405.
STATION Z 101 .111 1.000 2.000 3.000 4.000 5.000	- 912170 MEAN U M/S -5.48 -10.62 -8.61 -6.90 -6.13 -5.98	TAGUAC S.D. U M/S 1.84 2.95 3.36 3.70 3.70	R(U,V) .0432 .0509 .1233 .2016 .2195	MEAN V M/S 96 51 63 70 90 -1.25	M/S 1.33 2.26 2.41 2.74 2.82 2.88	MEAN WS M/S 5.76 10.93 9.05 7.73 7.16 7.07	S.D. WS M/S 1.72 2.70 3.10 3.21 2.96 3.27	.05 56 03 .02 .26 .49	346. 405. 405. 405. 405.
STATION Z KM .111 1.000 2.000 3.000 4.000 5.000 6.000	= 912170 MEAN U M/S -5.48 -10.62 -8.61 -6.90 -6.13 -5.98 -5.38	TAGUAC S.D. U M/S 1.84 2.95 3.36 3.80 3.70 3.88 4.87	R(U,V) .0432 .0509 .1233 .2016 .2195 .1894	MEAN V M/5 96 51 63 70 90 -1.25 -1.32	M/S 1.33 2.26 2.41 2.74 2.82 2.88 3.48	MEAN WS M/S 5.76 10.93 9.05 7.73 7.16 7.07 7.34	S.D. WS M/S 1.72 2.70 3.10 3.21 2.96 3.27 3.56	.05 56 03 .02 .26 .49	346. 405. 405. 405. 405. 405.
STATION Z IO1 .111 1.000 2.000 3.000 4.000 5.000 6.000 7.000	= 912170 MEAN U M/S -5.48 -10.62 -8.61 -6.90 -6.13 -5.98 -5.38 -4.12	TAGUAC S.D. U M/S 1.84 2.95 3.36 3.80 3.70 3.88 4.87 5.61	R(U,V) .0432 .0509 .1233 .2016 .2195 .1894 .2244	MEAN V M/S 96 51 63 70 90 -1.25 -1.32	M/S 1.33 2.26 2.41 2.74 2.82 2.88 3.48 3.93	MEAN WS M/S 5.76 10.93 9.05 7.73 7.16 7.07 7.34 7.25	5.D. WS M/S 1.72 2.70 3.10 3.21 2.96 3.27 3.56 3.67	.05 56 03 .02 .26 .49 .39	346. 405. 405. 405. 405. 405. 403.
STATION Z MM .111 1.000 2.000 3.000 4.000 5.000 6.000 7.000 8.000	= 912170 MEAN U M/S -5.48 -10.62 -8.61 -6.90 -6.13 -5.98 -5.38 -4.12 -1.88	TAGUAC S.D. U M/S 1.84 2.95 3.36 3.80 3.70 3.88 4.87 5.61 6.45	, R(U,V) .0432 .0509 .1233 .2016 .2195 .1894 .2244 .1044	MEAN V M/S 96 51 63 70 90 -1.25 -1.32 -1.39	M/S 1.33 2.26 2.41 2.74 2.82 2.88 3.48 3.93 4.31	MEAN HS M/S 5.76 10.93 9.05 7.73 7.16 7.07 7.34 7.25	S.D. MS M/S 1.72 2.70 3.10 3.21 2.96 3.27 3.56 3.67	.05 56 03 .02 .26 .49	346. 405. 405. 405. 405. 405.
STATION Z IO1 1111 1.000 2.000 3.000 4.000 5.000 6.000 7.000 8.000 9.000	= 912170 MEAN U M/S -5.48 -10.62 -8.61 -6.90 -6.13 -5.98 -5.38 -4.12 -1.88 1.42	TAGUAC S.D. U M/S 1.84 2.95 3.36 3.70 3.80 4.87 5.61 6.45 7.05	. R(U,V) .0432 .0509 .1233 .2016 .2195 .1894 .2244 .1044 .0670	MEAN V M/S 96 51 63 70 90 -1.25 -1.32	M/S 1.33 2.26 2.41 2.74 2.82 2.88 3.48 3.93	MEAN WS M/S 5.76 10.93 9.05 7.73 7.16 7.07 7.34 7.25	5.D. WS M/S 1.72 2.70 3.10 3.21 2.96 3.27 3.56 3.67	. 05 56 03 . 02 . 26 . 49 . 39 . 69 . 65 . 67	346. 405. 405. 405. 405. 405. 405. 403.
STATION Z IO1 111 1.000 2.000 3.000 4.000 5.000 6.000 7.000 8.000 9.000	= 912170 MEAN U M/S -5.48 -10.62 -8.61 -6.90 -6.13 -5.98 -5.38 -4.12 -1.88	TAGUAC S.D. U M/S 1.84 2.95 3.36 3.80 3.70 3.88 4.87 5.61 6.45	, R(U,V) .0432 .0509 .1233 .2016 .2195 .1894 .2244 .1044	MEAN V M/S 96 51 63 70 90 -1.25 -1.32 -1.39 -1.39	M/S 1.33 2.26 2.41 2.74 2.82 2.88 3.48 3.93 4.31	MEAN HS M/S 5.76 10.93 9.05 7.73 7.16 7.07 7.34 7.25 7.25	S.D. MS M/S 1.72 2.70 3.10 3.21 2.96 3.27 3.56 3.67 3.66 4.30 5.63	. 05 56 03 . 02 . 26 . 49 . 39 . 69 . 65 . 67 . 62	346. 405. 405. 405. 405. 405. 403. 403. 402. 402.
STATION Z IO1 1111 1.000 2.000 3.000 4.000 5.000 6.000 7.000 8.000 9.000	= 912170 MEAN U M/S -5.48 -10.62 -8.61 -6.90 -6.13 -5.98 -5.38 -4.12 -1.88 1.42 4.07 7.18	TAGUAC S.D. U M/S 1.84 2.95 3.36 3.70 3.88 4.87 5.61 6.45 7.05	R(U,V) .0432 .0509 .1233 .2016 .2195 .1894 .2244 .1044 .0670 .1573	MEAN V H/S 96 51 63 70 90 -1.25 -1.32 -1.39 -1.39	M/S 1.33 2.26 2.41 2.74 2.82 2.88 3.48 3.93 4.31 4.74 5.09 6.17 6.91	MEAN HS M/S 5.76 10.93 9.05 7.73 7.16 7.07 7.34 7.25 7.57 8.64 10.35	S.D. MS M/S 1.72 2.70 3.10 3.21 2.96 3.27 3.56 4.30 4.96 5.63 6.12	.05 56 03 .02 .26 .49 .39 .69 .65 .67	346. 405. 405. 405. 405. 405. 403. 403. 403. 402. 401. 398.
STATION Z IOM -111 1.000 2.000 3.000 4.000 5.000 6.000 7.000 8.000 9.000 10.000 11.000	= 912170 MEAN U M/S -5.48 -10.62 -8.61 -6.90 -6.13 -5.98 -5.38 -4.12 -1.88 1.42 4.07 6.04	TAGUAG S.D. U M/S 1.84 2.95 3.36 3.80 3.70 3.88 4.87 5.61 6.45 7.05 7.49 8.02 8.52 8.73	. R(U,V) .0432 .0509 .1233 .2016 .2195 .1894 .2244 .1044 .0670 .1573 .1778 .1376 .1167	MEAN V M/S 96 51 63 70 90 -1.25 -1.32 -1.49 -1.33 93 -1.33 93	M/S 1.33 2.26 2.41 2.74 2.82 2.88 3.48 3.93 4.31 4.74 5.09 6.17 6.52	MEAN HS M/S 5.76 10.93 9.05 7.73 7.16 7.07 7.34 7.25 7.22 7.57 8.64 10.35 11.67	S.D. MS M/S 1.72 2.70 3.10 3.21 2.96 3.27 3.56 3.67 3.66 4.30 4.96 5.63 6.12	.05 56 03 .02 .26 .49 .39 .69 .65 .67 .62	346. 405. 405. 405. 405. 405. 403. 403. 402. 402. 401. 338. 397.
STATION Z IM .111 1.000 2.000 3.000 4.000 5.000 6.000 9.000 10.000 11.000 12.000 14.000	= 912170 MEAN U M/S -5.48 -10.62 -8.61 -6.90 -6.13 -5.98 -5.38 -4.12 -1.88 1.42 4.07 6.04 7.18 7.26	TAGUAG S.D. U M/S 1.84 2.95 3.36 3.80 3.70 3.88 4.87 5.61 6.45 7.05 7.49 8.02 8.73 8.73	. R(U,V) .0432 .0509 .1233 .2016 .2195 .1894 .2244 .1044 .0670 .1573 .1778 .1376 .1167 .0649	MEAN V M/S 96 51 63 70 -1.25 -1.32 -1.39 -1.33 93 .10	M/S 1.33 2.26 2.41 2.82 2.88 3.48 3.93 4.31 4.74 5.09 6.17 6.52 5.60	MEAN HS M/S 5.76 10.93 9.05 7.73 7.16 7.07 7.34 7.25 7.22 7.57 8.64 10.35 11.67 11.69	S.D. MS M/S 1.72 2.70 3.10 3.21 2.96 3.27 3.56 3.67 3.66 4.30 4.96 5.63 6.12 6.12 5.79	.05 56 03 .02 .26 .49 .39 .69 .65 .67 .52 .55	346. 405. 405. 405. 405. 405. 403. 403. 402. 402. 401. 398. 397.
STATION Z IM .111 1.000 2.000 3.000 4.000 5.000 7.000 8.000 9.000 11.000 12.000 13.000 14.000	= 912170 MEAN U M/S -5.48 -10.62 -8.61 -6.90 -6.13 -5.98 -5.38 -4.12 -1.88 1.92 -1.89 7.26 6.94 4.02	TAGUAG S.D. U M/S 1.84 2.95 3.36 3.80 3.70 3.88 4.87 5.61 6.45 7.49 8.02 8.52 8.73 8.39 7.59	. R(U,V) .0432 .0509 .1233 .2016 .2195 .1894 .2244 .1044 .0670 .1573 .1778 .1376 .1167 .0649 .0046	MEAN V M/S 96 51 63 70 -1.25 -1.32 -1.49 -1.38 -1.33 10 1.34 1.39	M/S 1.33 2.26 2.41 2.82 2.88 3.48 3.93 4.31 4.74 5.09 6.17 6.52 5.60 4.86	MEAN HS M/S 5.76 10.93 9.05 7.73 7.16 7.07 7.34 7.25 7.22 7.57 8.64 10.35 11.67 11.65	5.D. MS M/S 1.72 2.70 3.10 3.21 2.96 3.27 3.56 3.67 3.66 4.30 4.96 5.63 6.12 6.12 5.79	.05 56 03 .02 .26 .49 .39 .69 .65 .67 .62 .55	346. 405. 405. 405. 405. 405. 403. 402. 401. 398. 397. 335. 394.
STATION Z IO1 111 1.000 2.000 3.000 4.000 5.000 6.000 7.000 8.000 9.000 10.000 11.000 13.000 14.000 15.000 15.000 16.000	= 912170 MEAN U M/S -5.48 -10.62 -8.61 -6.90 -6.13 -5.38 -4.12 -1.88 1.42 4.07 7.18 7.26 6.44 4.02	TAGUAG S.D. U M/S 1.84 2.95 3.36 3.80 3.70 3.88 4.87 5.61 6.45 7.05 7.49 8.02 8.52 8.73 8.39 7.59	. R(U,V) .0432 .0509 .1233 .2016 .2195 .1894 .2244 .1044 .0670 .1573 .1778 .1376 .1167 .0649 .0046	MEAN V M/S 96 51 63 70 -1.25 -1.32 -1.39 -1.38 -1.33 93 -1.39 1.39 -1.39	M/S 1.33 2.26 2.41 2.74 2.82 2.88 3.48 3.93 4.31 4.74 5.09 6.17 6.91 6.52 5.60 3.95	MEAN HS M/S 5.76 10.93 9.05 7.73 7.16 7.07 7.34 7.25 7.22 7.57 8.64 10.35 11.67 11.65 10.48 8.68 6.46	S.D. MS M/S 1.72 2.70 3.10 3.21 2.96 3.27 3.56 4.30 4.96 5.63 6.12 6.12 5.79 4.79	.05 56 03 .02 .26 .49 .39 .69 .67 .62 .55 .50	346. 405. 405. 405. 405. 405. 403. 403. 402. 402. 401. 398. 397.
STATION Z IM1 1.100 2.000 3.000 4.000 5.000 6.000 7.000 8.000 9.000 10.000 11.000 12.000 14.000 15.000 15.000 17.000 17.000	= 912170 MEAN U M/S -5.48 -10.62 -8.61 -6.90 -6.13 -5.38 -4.12 -1.88 1.42 4.07 7.18 7.26 6.44 4.02	TAGUAG S.D. U M/S 1.84 2.95 3.36 3.80 3.70 3.88 4.87 5.61 6.45 7.05 7.49 8.02 8.73 8.39 7.59 7.21 4.93	. R(U,V) .0432 .0509 .1233 .2016 .2195 .1894 .2244 .1044 .0670 .1573 .1778 .1376 .1167 .0649 .0046 0659 1108	MEAN V M/S 96 51 63 70 -1.25 -1.32 -1.49 -1.38 -1.33 10 1.34 1.39	M/S 1.33 2.26 2.41 2.82 2.88 3.48 3.93 4.31 4.74 5.09 6.17 6.52 5.60 4.86	MEAN HS M/S 5.76 10.93 9.05 7.73 7.16 7.07 7.34 7.25 7.22 7.57 8.64 10.35 11.67 11.65	5.D. MS M/S 1.72 2.70 3.10 3.21 2.96 3.27 3.56 3.67 3.66 4.30 4.96 5.63 6.12 6.12 5.79	.05 56 03 .02 .26 .49 .39 .69 .65 .67 .62 .55	346. 405. 405. 405. 405. 405. 403. 403. 402. 401. 338. 397. 329. 3294. 326.
STATION Z IO1 111 1.000 2.000 3.000 4.000 5.000 6.000 7.000 8.000 9.000 10.000 11.000 13.000 14.000 15.000 15.000 16.000	= 912170 MEAN U M/S -5.48 -10.62 -8.61 -6.90 -6.13 -5.38 -4.12 -1.88 1.42 4.07 7.18 7.26 6.44 4.02	TAGUAG S.D. U M/S 1.84 2.95 3.36 3.80 3.70 3.88 4.87 5.61 6.45 7.05 7.49 8.02 8.52 8.73 8.39 7.59	. R(U,V) .0432 .0509 .1233 .2016 .2195 .1894 .2244 .1044 .0670 .1573 .1778 .1376 .1167 .0649 .0046	MEAN V M/S 96 51 63 70 90 -1.25 -1.32 -1.39 -1.38 -1.33 93 -1.34 1.39 -1.39	M/S 1.33 2.26 2.41 2.74 2.82 2.88 3.48 3.93 4.31 4.74 5.09 6.17 6.91 6.52 5.60 4.86 3.95	MEAN HS M/S 5.76 10.93 9.05 7.73 7.16 7.07 7.34 7.25 7.57 8.64 11.67 11.65 10.48 8.68 6.46 5.97	S.D. MS M/S 1.72 2.70 3.10 3.21 2.96 3.27 3.56 4.30 4.96 5.63 6.12 6.12 5.79 4.79 3.77 3.56	.05 56 03 .02 .26 .49 .39 .69 .65 .55 .50 .59 .62 .83 .78 .81	346. 405. 405. 405. 405. 405. 403. 402. 401. 398. 397. 305. 360. 360. 358.
STATION Z IM .111 .100 2.000 3.000 4.000 5.000 6.000 7.000 8.000 9.000 10.000 11.000 12.000 13.000 15.000 15.000 17.000 18.000	= 912170 MEAN U M/S -5.48 -10.62 -8.61 -6.90 -6.13 -5.98 -5.98 -1.12 -1.88 1.42 4.07 6.04 7.18 7.26 6.94 4.02 -2.71 -4.90	TAGUAG S.D. U M/S 1.84 2.95 3.36 3.80 3.70 3.88 4.87 5.61 6.45 7.05 7.49 8.02 8.52 8.73 8.52 8.73 9.59 9.21 4.93 4.24	. R(U,V) .0432 .0509 .1233 .2016 .2195 .1894 .2244 .1044 .0670 .1573 .1778 .1376 .1167 .0649 .0046 0659 1108 1377 0591	MEAN V M/S 96 51 63 70 -1.25 -1.32 -1.49 -1.38 -1.33 10 1.39 -1.39 -1.39 -1.39 -1.39 -1.39	M/S 1.33 2.24 2.41 2.82 2.88 3.48 3.93 4.74 5.09 6.17 6.51 5.50 4.86 3.95 3.51 2.46 2.32	MEAN HS M/S 5.76 10.93 9.05 7.73 7.16 7.07 7.34 7.25 7.22 7.57 11.65 10.48 8.68 5.97 6.31 5.83	5.D. HS M/S 1.72 2.70 3.10 3.21 2.96 3.67 3.66 4.36 4.96 5.63 6.12 6.12 5.77 3.56 3.57	.05 56 03 .02 .26 .49 .39 .69 .65 .55 .50 .59 .59 .83 .78 .81	346. 405. 405. 405. 405. 403. 403. 402. 401. 398. 397. 326. 360. 360. 359.
STATION Z IM 1111 1.000 2.000 3.000 4.000 6.000 7.000 8.000 9.000 10.000 11.000 12.000 13.000 15.000 15.000 15.000 15.000 15.000 15.000 15.000 15.000 15.000 15.000 15.000 15.000 15.000 15.000 15.000 15.000 15.000 15.000	= 912170 MEAN U M/S -5.48 -10.62 -8.61 -6.90 -6.13 -5.38 -1.12 -1.88 1.42 4.07 7.18 7.26 6.44 4.02 -1.48 4.02 -1.48 -1.48 -1.40 -1.48 -1.40 -1.48 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40	TAGUAG S.D. U M/S 1.84 2.95 3.36 3.80 3.70 3.88 4.87 5.61 6.45 7.05 7.49 8.02 8.52 8.73 9.759 7.21 4.24 4.11 4.94 6.25	. R(U,V) .0432 .0509 .1233 .2016 .2195 .1894 .2244 .1044 .0670 .1573 .1778 .1376 .1167 .0649 .0046 0659 1108 1377 0591 0297 .0174	MEAN V M/S9651637090 -1.25 -1.32 -1.49 -1.38 -1.3393 -1.39 -1.39 -1.36 -1.49 -1.36 -1.53	M/S 1.33 2.26 2.44 2.82 2.88 3.48 3.93 4.74 5.09 6.17 6.95 5.60 4.95 3.95 3.51 2.42 2.16	MEAN HS M/S 5.76 10.93 9.05 7.73 7.16 7.07 7.34 7.25 7.67 8.68 10.48 8.68 5.97 6.31 5.83 5.97 6.71	S.D. MS 1.72 2.70 3.10 3.21 2.96 3.27 3.56 4.30 4.96 5.63 6.12 6.12 5.79 4.79 3.77 3.56 3.05 3.89	.05 56 03 .02 .26 .49 .39 .69 .65 .55 .50 .59 .62 .93 .78 .81 .84	346. 405. 405. 405. 405. 405. 403. 402. 401. 338. 397. 326. 360. 364. 358.
STATION Z IM .111 .1000 2.000 3.000 4.000 5.000 6.000 7.000 8.000 9.000 11.000 12.000 13.000 14.000 15.000 16.000 17.000 18.000 19.000 20.000 21.000 22.000	= 912170 MEAN U M/S -5.48 -10.62 -8.61 -6.90 -6.13 -5.38 -4.12 -1.88 1.42 -1.04 7.18 7.26 6.44 -2.71 -4.80 -3.79 -4.47 -5.41	TAGUAG S.D. U M/S 1.84 2.95 3.36 3.80 3.70 3.88 4.87 5.61 6.45 7.05 7.49 8.02 8.39 7.59 9.52 4.24 4.11 4.94 6.25 7.49	. R(U,V) .0432 .0509 .1233 .2016 .2195 .1894 .2244 .1044 .0670 .1573 .1778 .1376 .1167 .0649 .00460659 .1108137705910297 .0174 .07080703	MEAN V M/S9651637090 -1.35 -1.39 -1.381.39 -1.39 -1.39 -1.39 -1.39 -1.351.931.351.931.351.351.35	M/S 1.33 2.26 2.41 2.74 2.82 2.88 3.93 4.74 5.09 6.17 6.52 5.60 4.86 3.95 3.12 2.46 2.36 2.08	MEAN HS M/S 5.76 10.93 9.05 7.73 7.16 7.07 7.34 7.25 7.57 8.64 10.35 11.67 11.65 10.48 8.68 6.46 6.46 5.97 6.31 5.83 5.97 6.71 8.24	S.D. MS 1.72 2.70 3.10 3.21 2.96 3.27 3.56 4.30 4.96 5.63 6.12 5.79 4.79 3.77 3.23 3.56 3.05 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.12 6.1	.05 56 03 .02 .26 .49 .39 .65 .67 .62 .55 .50 .59 .62 .93 .78 .81 .84	346. 405. 405. 405. 405. 403. 403. 402. 402. 401. 338. 397. 329. 360. 364. 359. 354. 354.
STATION Z IM .111 1.000 2.000 3.000 4.000 5.000 6.000 7.000 8.000 9.000 10.000 11.000 12.000 13.000 14.000 15.000 15.000 16.000 17.000 18.000 19.000 20.000 21.000 22.000 23.000	= 912170 MEAN U M/S -5.48 -10.62 -8.61 -6.90 -6.13 -5.98 -5.98 -1.82 4.07 6.04 7.18 4.02 -2.71 -4.90 -4.92 -3.79 -4.91 -5.91 -6.91	TAGUAG 5.D. U M/S 1.84 2.95 3.36 3.70 3.88 4.87 5.61 6.45 7.05 8.02 8.73 8.39 7.59 9.52 4.24 4.11 4.94 4.11 4.94 8.53	. R(U,V) .0432 .0509 .1233 .2016 .2195 .1894 .2244 .1044 .0670 .1573 .1779 .1376 .1167 .0649 .0046 -0659 -1108 -1377 -0591 -0297 .0174 .0708 -0703	MEAN V M/S9651637090 -1.25 -1.49 -1.381.3393 -1.02 -1.36 -1.37 -1.02 -1.36 -1.37 -1.02 -1.36 -1.37 -1.02	M/S 1.33 2.241 2.82 2.88 3.93 4.74 5.09 6.17 6.52 5.60 4.86 3.95 3.51 2.46 2.32 2.16	MEAN HS M/S 5.76 10.93 9.05 7.73 7.16 7.07 7.34 7.25 7.57 8.64 10.35 11.67 11.65 10.48 8.68 6.46 5.97 6.31 5.83 5.97 6.71 8.64	5.D. MS 1.72 2.70 3.10 3.21 2.96 3.27 3.56 4.30 4.96 5.63 6.12 5.79 4.79 3.77 3.56 3.05 2.96 3.65	.05 56 03 .02 .26 .49 .69 .65 .67 .62 .59 .62 .83 .78 .81 .84	346. 405. 405. 405. 405. 405. 403. 402. 402. 401. 399. 397. 325. 394. 366. 358. 358. 358.
STATION Z IM .111 1.000 2.000 3.000 4.000 5.000 6.000 7.000 8.000 9.000 10.000 11.000 12.000 13.000 14.000 15.000 16.000 17.000 18.000 19.000 20.000 21.000 23.000 24.000	= 912170 MEAN U M/S -5.48 -10.62 -8.61 -6.90 -6.13 -5.98 -1.12 -1.88 1.42 4.07 6.04 7.26 6.44 4.07 -4.42 -3.79 -4.61 -4.79 -4.61 -5.79 -5.41 -5.41 -6.79 -7.84	TAGUAG 5.D. U M/S 1.84 2.95 3.36 3.70 3.80 3.70 3.88 4.87 5.61 6.45 7.49 8.52 8.73 8.759 7.21 4.24 4.11 4.29 8.53 9.18	. R(U,V) .0432 .0509 .1233 .2016 .2195 .1894 .2244 .1044 .0670 .1573 .1778 .1376 .1167 .0649 .0046 .0659 .1108 .1377 .0581 .0297 .0174 .0708 .0708 .0703	MEAN V M/S9651637090 -1.25 -1.32 -1.49 -1.3810 1.34 1.39 -1.36 -1.49 -1.36 -1.49 -1.36 -1.49 -1.36 -1.49 -1.36 -1.49 -1.36 -1.49 -1.36 -1.49 -1.36 -1.49 -1.36	M/S 1.33 2.41 2.82 2.98 3.48 3.93 4.74 5.09 6.17 6.52 5.60 4.85 3.12 2.36 2.37	MEAN HS M/S 5.76 10.93 9.05 7.73 7.16 7.07 7.34 7.25 7.25 7.57 8.64 10.35 11.67 11.65 10.48 8.68 6.46 5.97 6.31 5.83 5.97 6.71 8.24	S.D. MS M/S 1.72 2.70 3.10 3.21 2.96 3.27 3.56 4.30 4.96 5.63 6.12 5.79 4.79 3.77 3.23 3.56 3.05 2.96 3.05 2.96	.05 56 03 .02 .26 .49 .39 .69 .65 .55 .50 .59 .62 .83 .78 .81 .81 .47 .67	346. 405. 405. 405. 405. 403. 403. 402. 402. 401. 338. 397. 329. 360. 364. 359. 354. 354.
STATION Z IM 1111 1.000 2.000 3.000 4.000 5.000 6.000 7.000 8.000 9.000 10.000 11.000 13.000 14.000 15.000 17.000 18.000 17.000 18.000 20.000 21.000 22.000 23.000 24.000 25.000	= 912170 MEAN U M/S -5.48 -10.62 -8.61 -6.93 -5.38 -1.88 1.407 -1.88 1.407 -1.89 1.407 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.40 -1.	TAGUAG S.D. U M/S 1.84 2.95 3.80 3.70 3.88 4.87 5.61 6.45 7.49 8.52 8.73 8.759 7.21 4.93 4.21 4.93 4.21 4.93 9.65	. R(U,V) .0432 .0509 .1233 .2016 .2195 .1894 .2244 .1044 .0670 .1573 .1778 .1376 .1167 .0649 .004606591108137705810297 .0174 .070807030703	MEAN V M/S9651637090 -1.25 -1.32 -1.49 -1.38 -1.3393 -1.39 -1.38 -1.36 -1.99 -1.36 -1.99 -1.36 -1.99 -1.37 -1.02 -1.36 -1.99 -1.37	M/S 1.33 2.241 2.82 2.88 3.93 4.74 5.09 6.17 6.52 5.60 4.86 3.95 3.51 2.46 2.32 2.16	MEAN HS M/S 5.76 10.93 9.05 7.73 7.16 7.07 7.34 7.25 7.57 8.64 10.35 11.67 11.65 10.48 8.68 6.46 5.97 6.31 5.83 5.97 6.71 8.64	5.D. MS 1.72 2.70 3.10 3.21 2.96 3.27 3.56 4.30 4.96 5.63 6.12 5.79 4.79 3.77 3.56 3.05 2.96 3.65	.05 56 03 .02 .26 .49 .69 .65 .67 .62 .59 .62 .83 .78 .81 .84	346. 405. 405. 405. 405. 405. 403. 402. 402. 401. 398. 397. 305. 394. 366. 364. 358. 354. 313.
STATION Z IM .111 1.000 2.000 3.000 4.000 5.000 6.000 7.000 8.000 9.000 10.000 11.000 12.000 13.000 14.000 15.000 16.000 17.000 18.000 19.000 20.000 21.000 23.000 24.000	= 912170 MEAN U M/S -5.48 -10.62 -8.61 -6.90 -6.13 -5.98 -1.12 -1.88 1.42 4.07 6.04 7.26 6.44 4.07 -4.42 -3.79 -4.61 -4.79 -4.61 -5.79 -5.41 -5.41 -6.79 -7.84	TAGUAG 5.D. U M/S 1.84 2.95 3.36 3.70 3.80 3.70 3.88 4.87 5.61 6.45 7.49 8.52 8.73 8.759 7.21 4.24 4.11 4.29 8.53 9.18	. R(U,V) .0432 .0509 .1233 .2016 .2195 .1894 .2244 .1044 .0670 .1573 .1778 .1376 .1167 .0649 .0046065911080297 .0174 .070807030315 .0325 .1038 .0807	MEAN V M/S9651637090 -1.25 -1.32 -1.49 -1.3810 1.34 1.39 -1.36 -1.49 -1.36 -1.49 -1.36 -1.49 -1.36 -1.49 -1.36 -1.49 -1.36 -1.49 -1.36 -1.49 -1.36 -1.49 -1.36	M/S 1.33 2.24 1.274 2.82 2.88 3.48 3.93 4.74 5.09 6.52 5.60 4.86 3.51 2.46 2.36 2.37 2.47 2.70 3.14	MEAN HS	S.D. MS 1.72 2.70 3.10 3.21 2.96 3.27 3.56 4.30 4.96 5.63 6.12 5.79 4.79 3.77 3.56 3.05 2.96 3.89 4.66 5.62 6.36 7.41 8.15	.05 56 03 .26 .49 .39 .65 .67 .62 .55 .50 .59 .62 .83 .78 .81 .47 .63 .40 .31 .25	346. 405. 405. 405. 405. 403. 403. 402. 402. 401. 398. 397. 395. 394. 366. 358. 359. 359. 359. 359. 359. 359. 359. 359
STATION Z IM .111 1.000 2.000 3.000 4.000 5.000 6.000 7.000 8.000 9.000 10.000 11.000 12.000 13.000 14.000 15.000 15.000 15.000 20.000 21.000 22.000 23.000 24.000 25.000 29.000	912170 MEAN U M/S -5.48 -10.62 -8.61 -6.90 -6.13 -5.98 -5.38 -1.88 1.42 4.07 6.04 7.18 4.02 -3.79 -4.82 -3.79 -4.81 -6.79 -7.84 -10.95 -11.52	TAGUAG 5.D. U M/S 1.895 3.36 3.70 3.80 3.70 3.88 4.87 5.61 6.45 7.05 8.02 8.73 8.39 7.59 9.52 4.24 4.11 4.94 6.25 8.53 9.65 10.61	. R(U,V) .0432 .0509 .1233 .2016 .2195 .1894 .2244 .0670 .1573 .1778 .1376 .1167 .0649 .004606591108059105910591059105910591059105910591059105910591	MEAN V M/S9651637090 -1.25 -1.49 -1.381.39 -1.37 -1.02 -1.36 -1.37 -1.02 -1.36 -1.3393539353935393939393	M/S 1.33 2.41 2.82 2.88 3.48 3.93 4.74 5.09 6.17 6.52 5.60 4.86 3.95 3.51 2.36 2.37 2.79 3.34 3.34	MEAN HS M/S 5.76 10.93 9.05 7.73 7.16 7.07 7.34 7.25 7.57 8.64 10.35 11.65 10.48 8.69 6.46 5.97 6.31 5.83 5.97 6.71 8.64 10.52 11.32 12.31 13.17	5.D. MS 1.72 2.70 3.10 3.21 2.96 3.56 3.67 3.56 4.30 4.96 5.63 6.12 5.79 4.77 3.56 3.05 2.96 3.95 4.96 5.63 6.12 5.79 4.79 3.77 3.56	.055603 .26 .49 .39 .69 .65 .55 .50 .59 .62 .83 .78 .81 .47 .67 .63 .40 .31	346. 405. 405. 405. 405. 403. 402. 401. 398. 397. 326. 360. 364. 358. 354. 358. 354. 358. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359.
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STATION Z KM .111 1.000 2.000 3.000 4.000 5.000 6.000 7.000 8.000 9.000 10.000 11.000 12.000 13.000 14.000 15.000 15.000 16.000 20.000 21.000 22.000 23.000 24.000 25.000 26.000 27.000 28.000	912170 MEAN U M/S -5.48 -10.62 -8.61 -6.90 -6.13 -5.98 -5.38 -1.88 1.42 4.07 6.04 7.18 4.02 -3.79 -4.82 -3.79 -4.81 -6.79 -7.84 -10.95 -11.52	TAGUAG S.D. U M/S 1.84 2.95 3.80 3.70 3.88 4.87 5.61 6.45 7.49 8.02 8.73 8.52 8.73 9.59 7.59 4.21 4.93 4.21 4.94 4.11 4.95 7.49 8.02 8.75 9.02 8.75 9.02 9.02 9.02 9.02 9.02 9.02 9.02 9.02 9.02 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.03 9.0	. R(U,V) .0432 .0509 .1233 .2016 .2195 .1894 .2244 .0670 .1573 .1778 .1376 .1167 .0649 .004606591108059105910591059105910591059105910591059105910591	MEAN V M/S9651637090 -1.25 -1.49 -1.381.39 -1.37 -1.02 -1.36 -1.37 -1.02 -1.36 -1.3393539353935393939393	M/S 1.33 2.41 2.82 2.88 3.48 3.93 4.74 5.09 6.17 6.52 5.60 4.86 3.95 3.51 2.36 2.37 2.79 3.34 3.34	MEAN HS M/S 5.76 10.93 9.05 7.73 7.16 7.07 7.34 7.25 7.57 8.64 10.35 11.65 10.48 8.69 6.46 5.97 6.31 5.83 5.97 6.71 8.64 10.52	5.D. HS M/S 1.72 2.70 3.10 3.21 2.96 3.67 3.66 4.30 4.96 5.63 6.12 5.79 3.77 3.23 3.56 5.62 6.12 5.79 6.12 5.79 7.75 6.12 6.12 7.75	.055603 .26 .49 .39 .69 .65 .55 .50 .59 .62 .83 .78 .81 .47 .67 .63 .40 .31	346. 405. 405. 405. 405. 403. 402. 401. 398. 397. 326. 360. 364. 358. 354. 358. 354. 358. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359. 359.

TABLE	1. 5	HIND STATE	ISTICAL PA	RAMETERS.		M.	4Y		
	= 912170	TAGUAC	5						
Z KM	MEAN U M/S	S.D. U M/S	R(U,V)	MEAN V	S.D. V	MEAN WS	S.D. WS	skeh ws	N095
.111	-4.11	7.5 2.44	.3371	M/S .00	M/S 1.87	M/S 4.76	M/S 1.91	.20	368.
1.000	-7.08	4.63	.2932	.43	2.95	8.18	3.66	.42	415.
2.000	-5.36	4.12	,2162	.46	2.72	6.54	3.26	. 69	415.
3.000	-4.49	4.31	.1133	.24	2.99	6.16	3.12	.89	414.
4.000	-3.93	3.66	.1016	23	2.94	5.40	3.02	1.07	411.
5.000	-3.36	4.07	.1562	49	2.90	5.22	3.04	1.17	411.
6.000	-3.05	4.11	.1410	71	3.24	5.30	3.01	1.02	40A.
7.000	-2.11	4.69	9700	36	3.41	5.44	3.07	.66	4¢3.
8.000	~.65	5.56	0650	-1.62	3.48	5.63	3.36	.66	406.
9.650	1.43	6.87	.160+	-1.89	4.29	7.31	4.21	.77	406.
10.000	3,53	8.50	.1935	-1.58	4.34	9.16	5.24	.79	405.
11.000	5.34	9.93	.2659 2005	-1.07	6.33	11.37	6.34	.68	403.
13.000	6.14 6.15	11.39 12.04	. 3496 . 3472	74 -1.33	7.13 7.07	13.05	6.95 7.08	.54	401.
14.000	5.17	11.50	.3208	-5.08	6.41	13.56 12.60	6.75	.53 .66	300. 399.
15.000	2.37	9.81	.2810	-5.91	5.21	10.35	5.49	.59	39G.
16.000	-1.48	7.54	-2384	-3.50	3.82	8.33	4.05	.48	388.
17.000	-4.19	6.20	.0770	-3.21	3.08	7.90	3.66	.37	346.
19.000	-6.05	4.48	0568	-2.21	2.56	7.57	3.30	. 15	348.
19.000	-7.01	3.82	0477	-1.25	2.36	7.74	3.30	. 18	347.
20.000	-8.14	4.29	0143	34	2.06	8.56	3.95	.40	343.
21.000	-9.36	5.26	.0209	21	2.06	9.78	4.66	.28	335.
22.000	-10.31	5.69	0541	-,11	2.22	11.25	5.47	.11	335.
23.000	-12.41	6.43	0060	09	2.40	12.76	6.21	.09	325.
24.000	-13.67	7.35	0046	14	2.55	14.08	7.02	.09	361.
25.000	-15.44	7.69	0919	08	2.31	15.69	7.53	.23	316.
26.000	-16.93	7.91	1056	37	2.59	17.19	7.77	.13	307.
27.000	-10.31	7.91	0 62 3	22	2.74	18.58	7.76	.07	289.
58.000	-18.87	8.26	0665	.00	3.02	3.19	8.07	.06	265.
29.000	-18.77	8.45	0806	. 19	3.43	19.19	8.20	.52.	237.
30.000	-18.74	8.42	0475	. 10	3.21	19.05	8.32	. 31	179.
TAR F	t. B	MIND STATE	STICAL PA	RAMETERS.		JI.	NE.		
TABLE STATION	1. 6 = 912170	HIND STATE	STICAL PA	RAMETERS.		J	NE.		
STATION	- 912170	TAGUAC		RAMETERS,	5.0. V	JU MEAN WS	NE S.D. WS	skeh hs	NOBS
			STICAL PA		S.O. V M/S			skeh hs	
STATION	= 912170 MEAN U	TAGUAC S.O. U M/S 1.89	R(U,V)	MEAN V M/S .23	M/S 1.43	MEAN WS M/S 4.37	5.D. WS M/S 1.64	.11	378.
STATION Z	= 912170 MEAN U M/S -4.02 -7.57	TAGUAC S.D. U M/S 1.89 3.49	R(U,V) .1266 .0713	MEAN V M/S .23 1.18	M/S 1.43 2.59	MEAN HS M/S 4.37 8.34	S.D. WS M/S 1.64 2.83	.11	378. 411.
STATION Z iGH .111 1.000 2.000	= 912170 MEAN U M/S -4.02 -7.57 -6.33	TAGUAC S.D. U M/S 1.89 3.49 3.06	R(U,V) .1266 .0713 .1299	MEAN V M/S .23 1.18 .65	M/S 1.43 2.59 2.55	MEAN WS M/S 4.37 8.34 7.08	S.D. WS M/S 1.64 2.83 2.49	.11 03 .32	378. 411. 413.
STATION Z iO1 .111 1.000 2.000 3.000	912170 MEAN U M/S -4.02 -7.57 -6.33 -6.40	TAGUAC S.D. U M/S 1.89 3.49 3.06 3.12	R(U,V) .1266 .0713 .1299 .1272	MEAN V M/S .23 1.18 .65 .69	M/S 1.43 2.59 2.55 2.73	MEAN WS M/S 4.37 8.34 7.08 7.16	S.D. WS M/S 1.64 2.83 2.49 2.70	.11 03 .32 .40	378. 411. 413. 413.
STATION Z iOM .111 1.000 2.000 3.000 4.000	912170 MEAN U M/S -4.02 -7.57 -6.33 -6.40 -5.86	TAGUAC S.D. U M/S 1.89 3.49 3.06 3.12 3.08	R(U,V) .1266 .0713 .1299 .1272 .0899	MEAN V M/S .23 1.18 .65 .69	M/S 1.43 2.59 2.55 2.73 2.88	MEAN WS M/S 4.37 8.34 7.08 7.16 6.64	S.D. WS M/S 1.64 2.83 2.49 2.70 2.84	.11 03 .32 .40	378. 411. 413. 413. 413.
STATION Z iOM .111 1.000 2.000 3.000 4.000 5.000	912170 MEAN U M/S -4.02 -7.57 -6.33 -6.40 -5.86 -5.53	TAGUAC S.D. U M/S 1.89 3.49 3.06 3.12 3.08 3.28	R(U,V) .1266 .0713 .1299 .1272 .0899 .1151	MEAN V M/S .23 1.18 .65 .69 .15	M/S 1.43 2.59 2.55 2.73 2.83 2.78	MEAN WS M/S 4.37 8.34 7.08 7.16 6.64 6.41	S.D. WS M/S 1.64 2.83 2.49 2.70 2.84 2.82	.11 03 .32 .40 .24 .22	378. 411. 413. 413. 413.
STATION Z iOH .111 1.000 2.000 3.000 4.000 5.000 6.000	912170 MEAN U M/S -4.02 -7.57 -6.33 -6.40 -5.86 -5.53 -5.20	TAGUAC S.D. U M/S 1.89 3.49 3.06 3.12 3.08 3.28 3.58	R(U,V) .1266 .0713 .1299 .1272 .0899 .1151 .1133	MEAN V M/S .23 1.18 .65 .69 .15 11	M/S 1.43 2.59 2.55 2.73 2.83 2.78 3.20	MEAN WS M/S 4.37 8.34 7.08 7.16 6.64 6.41 6.42	5.D. WS M/S 1.64 2.83 2.49 2.70 2.84 2.82 2.99	.11 03 .32 .40 .24 .22	378. 411. 413. 413. 413. 413.
STATION Z KM .111 1.000 2.000 3.000 4.000 5.000 6.000 7.000	912170 MEAN U M/S -4.02 -7.57 -6.33 -6.40 -5.86 -5.53 -5.20 -4.36	TAGUAC S.O. U M/S 1.89 3.49 3.06 3.12 3.08 3.28 3.28 3.58 3.59	R(U,V) .1266 .0713 .1299 .1272 .0899 .1151 .1133 .1697	MEAN V M/S .23 1.19 .65 .69 .15 11 26	M/S 1.43 2.59 2.55 2.73 2.83 2.78 3.20 3.51	MEAN WS W/S 4.37 8.34 7.08 7.16 6.64 6.41 6.42 6.22	5.D. WS M/S 1.54 2.83 2.49 2.70 2.84 2.82 2.99 2.85	.11 03 .32 .40 .24 .22 .22	378. 411. 413. 413. 413. 413. 412.
STATION Z KOH .1111 1.0000 2.0000 3.0000 4.0000 5.0000 5.0000 6.0000 7.0000 8.0000	= 912170 MEAN U M/S -4.02 -7.57 -6.33 -6.40 -5.86 -5.53 -5.53 -5.20 -4.36 -3.39	TAGUAC S.O. U M/S 1.89 3.49 3.06 3.12 3.08 3.28 3.58 3.58 3.93 4.80	R(U,V) .1266 .0713 .1299 .1272 .0899 .1151 .1133 .1697 .1619	MEAN V M/S .23 1.18 .65 .69 .15 11 26 22	M/S 1.43 2.59 2.55 2.73 2.83 2.78 3.20 3.51 4.20	MEAN WS M/S 4.37 8.34 7.16 6.64 6.41 6.42 6.42 6.46	5.D. MS M/S 1.64 2.83 2.49 2.70 2.84 2.82 2.82 3.23	.11 03 .32 .40 .24 .22 .22 .27	378. 411. 413. 413. 413. 413. 411. 407.
STATION Z iGH .111 1.000 2.000 3.000 4.000 5.000 6.000 7.000 8.000 9.000	= 912170 MEAN U M/S -4.02 -7.57 -6.33 -6.40 -5.86 -5.53 -5.20 -4.36 -3.39 -2.07	TAGUAC S.D. U M/S 1.89 3.49 3.06 3.12 3.08 3.28 3.59 3.59 3.93 4.80 6.00	R(U,V) .1266 .0713 .1299 .1272 .0899 .1151 .1133 .1697 .1619 .2556	MEAN V M/S .23 1.18 .65 .69 .15 11 26 22 27	M/S 1.43 2.59 2.55 2.73 2.88 2.78 3.20 3.51 4.20 5.23	MEAN WS M/S 4.37 8.34 7.08 7.16 6.64 6.41 6.42 6.46 7.20	5.D. WS M/S 1.64 2.83 2.70 2.84 2.82 2.99 2.85 3.99	.11 03 .32 .40 .24 .22 .22 .27 .50	378. 411. 413. 413. 413. 413. 411. 407. 406.
STATION Z iGH .111 1.000 2.000 3.000 4.000 5.000 6.000 7.000 8.000 9.000 10.000	= 912170 MEAN U M/S -4.02 -7.57 -6.33 -6.40 -5.86 -5.53 -5.20 -4.36 -3.39 -2.07 79	TAGUAC S.D. U M/S 1.89 3.49 3.06 3.12 3.08 3.28 3.58 3.59 4.80 6.00 6.94	R(U,V) .1266 .0713 .1299 .1272 .0899 .1151 .1133 .1697 .1619 .2556	MEAN V M/S .23 1.18 .65 .69 .15 11 26 22 27 50 38	M/S 1.43 2.59 2.55 2.73 2.88 2.78 3.20 3.51 4.20 5.23 6.29	MEAN WS M/S 4.37 8.34 7.16 6.64 6.41 6.42 6.42 6.46 7.20 8.23	5.D. WS M/S 1.64 2.83 2.70 2.84 2.82 2.99 2.85 3.99 4.53	.11 03 .32 .40 .24 .22 .27 .50 .62	378. 411. 413. 413. 413. 413. 411. 407. 406.
STATION Z iGH .1111 1.000 2.000 3.000 4.000 5.000 6.000 7.000 8.000 9.000 10.000 11.000	= 912170 MEAN U M/S -4.02 -7.57 -6.33 -6.40 -5.86 -5.53 -5.20 -4.36 -3.39 -2.0779	TAGUAC S.O. U M/S 1.89 3.49 3.06 3.12 3.08 3.28 3.58 3.58 4.80 6.00 6.94 8.23	R(U,Y) .1266 .0713 .1299 .1272 .0899 .1151 .1133 .1697 .1619 .2556 .2842	MEAN V M/S .23 1.18 .65 .69 .15 11 26 22 27 50 38	M/S 1.43 2.59 2.55 2.73 2.88 2.79 3.20 3.51 4.20 5.23 6.29 7.29	MEAN WS M/S 4.37 8.34 7.16 6.64 6.41 6.42 6.46 7.20 9.68	S.D. MS M/S 1.64 2.83 2.79 2.84 2.89 2.85 3.23 3.99 5.19	.11 03 .32 .40 .24 .22 .27 .50 .62 .72	378. 411. 413. 413. 413. 413. 412. 411. 407. 406. 406.
STATION Z icol 1111 1.000 2.000 3.000 4.000 5.000 6.000 7.000 8.000 9.000 11.000 12.000	= 912170 MEAN U M/S -4.02 -7.57 -6.33 -6.40 -5.86 -5.53 -5.20 -4.36 -3.39 -2.0779 .16	TAGUAC S.O. U M/S 1.89 3.49 3.06 3.12 3.08 3.28 3.58 3.58 3.93 4.80 6.00 6.94 8.23 9.67	R(U,Y) .1266 .0713 .1299 .1272 .0899 .1151 .1133 .1697 .1619 .2556 .2842 .2923	MEAN V M/S .23 1.18 .65 .69 .15 11 26 22 27 50 38 38 33	M/S 1.43 2.59 2.55 2.73 2.88 2.78 3.20 3.51 4.20 5.23 6.29 7.29 8.37	MEAN WS M/S 4.37 8.34 7.16 6.64 6.41 6.42 6.46 7.20 8.23 9.68 11.38	S.D. MS M/S 1.64 2.49 2.70 2.84 2.89 2.85 3.23 3.99 4.53 5.97	.11 03 .32 .40 .24 .22 .22 .27 .50 .62 .72	378. 411. 413. 413. 413. 413. 414. 407. 406. 406. 405. 403.
STATION Z KOH .1111 1.0000 2.000 3.000 4.000 5.000 6.000 9.000 10.000 11.000 12.000 13.000	= 912170 MEAN U M/S -4.02 -7.57 -6.33 -6.40 -5.86 -5.53 -5.20 -4.36 -3.39 -2.0779 .16 1.17	TAGUAC S.O. U M/S 1.89 3.49 3.06 3.12 3.08 3.29 3.58 3.93 4.80 6.00 6.94 8.23 9.67 10.70	R(U,V) .1266 .0713 .1299 .1272 .0899 .1151 .1133 .1697 .1619 .2556 .2842 .2923 .2914	MEAN V M/S .23 1.18 .65 .69 .15 11 26 22 27 50 38 23 75 -1.36	M/S 1.43 2.59 2.55 2.73 2.88 2.78 3.20 3.21 4.20 5.23 6.29 7.29 8.37 9.19	MEAN WS M/S 4.37 8.34 7.08 7.16 6.64 6.41 6.42 6.46 7.20 8.23 9.68 11.38 12.67	5.D. MS 1.64 2.49 2.70 2.82 2.85 3.99 4.53 5.19 6.52	.11 03 .32 .40 .24 .22 .27 .50 .62 .72 .52	378. 911. 913. 913. 913. 913. 911. 907. 906. 905. 903.
STATION Z KOH .111 1.000 2.000 3.000 4.000 5.000 5.000 6.000 7.000 8.000 9.000 10.000 11.000 12.000 13.000 14.000	= 912170 MEAN U M/S -4.02 -7.57 -6.33 -6.40 -5.86 -5.53 -5.20 -4.36 -3.39 -2.0779 .16 1.17 1.57	TAGUAC S.O. U M/S 1.89 3.49 3.06 3.12 3.08 3.28 3.58 3.93 4.80 6.00 6.94 8.23 9.67 10.70 10.92	R(U,V) .1266 .0713 .1299 .1272 .0899 .1151 .1133 .1697 .1619 .2556 .2842 .2923 .2914 .2837	MEAN V M/S .23 1.18 .65 .69 .15 11 26 22 27 50 38 23 23 23 23 23	M/S 1.43 2.59 2.55 2.73 2.88 2.78 3.20 3.21 4.20 5.23 6.29 7.29 8.37 9.19	MEAN WS M/S 4.37 8.34 7.16 6.64 6.41 6.42 6.22 6.46 7.20 8.23 9.68 11.38 12.67 12.79	5.D. MS 1.64 2.49 2.70 2.84 2.85 3.23 3.53 5.97 5.52 7.01	.11 03 .32 .40 .24 .22 .27 .50 .62 .72 .52 .46 .60	378. 411. 413. 413. 413. 413. 412. 411. 407. 406. 406. 403. 403. 403.
STATION Z KM .111 1.000 2.000 3.000 4.000 5.000 6.000 7.000 8.000 9.000 10.000 11.000 12.000 13.000 14.000 15.000	= 912170 MEAN U M/S -4.02 -7.57 -6.33 -6.40 -5.86 -5.53 -5.20 -4.36 -3.39 -2.0779 .16 1.17 1.57 1.4330	TAGUAC S.D. U M/S 1.89 3.49 3.06 3.12 3.08 3.28 3.59 3.93 4.80 6.00 6.94 8.23 9.67 10.70 10.92 10.30	R(U,V) .1266 .0713 .1299 .1272 .0899 .1151 .1133 .1697 .1619 .2556 .2842 .2923 .2914 .2837	MEAN V M/S .23 1.18 .65 .69 .15 11 26 27 50 38 23 75 -1.36 -2.01 -2.68	M/S 1.43 2.59 2.55 2.73 2.88 2.78 3.51 4.20 5.23 6.29 7.29 8.37 9.19 9.38 7.24	MEAN WS M/S 4.37 8.34 7.16 6.64 6.41 6.42 6.46 7.20 8.23 9.68 11.38 12.67 11.13	5.D. MS 1.64 2.83 2.70 2.84 2.99 2.85 3.99 4.53 5.97 6.46	.11 03 .32 .40 .24 .22 .27 .50 .62 .72 .52 .46 .60	378. 411. 413. 413. 413. 413. 416. 411. 407. 406. 405. 403. 403. 393.
STATION Z KOH .111 1.000 2.000 3.000 4.000 5.000 5.000 6.000 7.000 8.000 9.000 10.000 11.000 12.000 13.000 14.000	= 912170 MEAN U M/S -4.02 -7.57 -6.33 -6.40 -5.86 -5.53 -5.20 -4.36 -3.39 -2.0779 .16 1.17 1.57	TAGUAC S.O. U M/S 1.89 3.49 3.06 3.12 3.08 3.28 3.58 3.93 4.80 6.00 6.94 8.23 9.67 10.70 10.92	R(U,V) .1266 .0713 .1299 .1272 .0899 .1151 .1133 .1697 .1619 .2556 .2842 .2923 .2914 .2837	MEAN V M/S .23 1.18 .65 .69 .15 11 26 22 27 50 38 23 23 23 23 23	M/S 1.43 2.59 2.55 2.73 2.88 2.78 3.20 3.21 4.20 5.23 6.29 7.29 8.37 9.19	MEAN WS M/S 4.37 8.34 7.16 6.64 6.41 6.42 6.22 6.46 7.20 8.23 9.68 11.38 12.67 12.79	5.D. MS 1.64 2.49 2.70 2.84 2.85 3.23 3.53 5.97 5.52 7.01	.11 03 .32 .40 .24 .22 .27 .50 .62 .72 .52 .46 .60	378. 411. 413. 413. 413. 413. 412. 411. 407. 406. 406. 403. 403. 403.
STATION Z iOH .1111 1.000 2.000 3.000 4.000 5.000 6.000 7.000 8.000 10.000 11.000 12.000 13.000 14.000 15.000 16.000	= 912170 MEAN U M/S -4.02 -7.57 -6.33 -6.40 -5.86 -5.53 -5.20 -4.36 -3.39 -2.0779 .16 1.17 1.57 1.4330 -4.35	TAGUAC S.O. U M/S 1.89 3.49 3.06 3.12 3.08 3.28 3.58 3.58 4.80 6.00 6.94 8.23 9.67 10.70 10.92 10.30 7.66	R(U,Y) .1266 .0713 .1299 .1272 .0899 .1151 .1133 .1697 .1619 .2556 .2842 .2923 .2914 .2837 .2837 .3357	MEAN V M/S .23 1.18 .65 .69 .15 11 26 22 27 50 38 23 75 -1.36 -2.01 -2.68 -2.59	M/S 1.43 2.59 2.55 2.73 2.88 2.78 3.51 4.20 5.23 6.29 7.29 8.37 9.19 9.38 4.68	MEAN WS M/S 4.37 8.34 7.08 7.16 6.64 6.41 6.42 6.46 7.20 8.23 9.68 11.38 12.67 12.79 11.13 8.74	S.D. MS 1.64 2.83 2.70 2.82 2.85 3.99 4.29 5.19 5.50 6.50 7.64 6.49	.11 03 .32 .40 .24 .22 .27 .50 .52 .46 .46 .60 .87	378. 411. 413. 413. 413. 413. 416. 417. 406. 405. 403. 403. 393. 377.
STATION Z ich in 111 1.000 2.000 3.000 4.000 5.000 6.000 7.000 8.000 9.000 11.000 12.000 13.000 14.000 15.000 15.000 16.000 17.000	912170 MEAN U M/S -4.02 -7.57 -6.33 -6.40 -5.86 -5.53 -5.20 -4.36 -3.39 -2.0779 .16 1.17 1.57 1.4330 -4.35 -7.20 -9.83 -11.43	TAGUAC S.O. U M/S 1.89 3.49 3.06 3.12 3.08 3.28 3.58 3.93 4.80 6.00 6.94 8.23 9.67 10.70 10.92 10.30 7.66 5.41	R(U,V) .1266 .0713 .1299 .1272 .0899 .1151 .1133 .1697 .1619 .2556 .2842 .2923 .2914 .2837 .2871 .3357 .2882 .2998 .12810262	MEAN V M/5 .23 1.18 .65 .69 .15 11 26 22 27 50 38 75 -1.36 -2.01 -2.68 -2.59 -2.29	M/S 1.43 2.59 2.55 2.73 2.88 2.79 3.51 4.20 5.23 6.29 7.29 8.37 9.19 9.38 7.468 3.10	MEAN WS 4.37 8.34 7.08 7.16 6.64 6.41 6.42 6.46 7.20 8.23 9.68 11.38 12.67 12.79 11.13 8.60	5.D. MS 1.64 2.49 2.70 2.84 2.85 3.93 4.51 5.97 6.54 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	.11 03 .32 .40 .24 .22 .27 .50 .62 .72 .52 .46 .60 .87 1.23 .89 .25	378. 411. 413. 413. 413. 413. 413. 416. 407. 406. 406. 403. 403. 403. 393. 377. 357. 358.
STATION Z iGH .111 1.000 2.000 3.000 4.000 5.000 6.000 7.000 8.000 10.000 11.000 12.000 12.000 15.000 15.000 16.000 17.000 18.000 19.000 19.000 20.000	= 912170 MEAN U M/S -4.02 -7.57 -6.33 -6.40 -5.86 -5.53 -5.20 -4.36 -3.39 -2.0779 .16 1.17 1.57 1.4330 -4.35 -7.20 -9.83	TAGUAC S.O. U M/S 1.89 3.49 3.06 3.12 3.08 3.28 3.58 3.93 4.80 6.00 6.94 8.23 9.67 10.70 10.92 10.30 7.66 5.41 3.68 3.73 4.02	R(U,Y) .1266 .0713 .1299 .1272 .0899 .1151 .1133 .1697 .1619 .2556 .2842 .2923 .2914 .2837 .2817 .3357 .2882 .2988 .1298 .1298	MEAN V M/S .23 1.18 .65 .69 .15 26 22 27 50 38 75 -1.36 -2.33 75 -1.36 -2.69 -2.59 -2.69 -1.63 -1.63	M/S 1.43 2.59 2.73 2.78 3.51 4.20 5.23 7.29 7.29 9.38 7.29 9.38 3.10 4.68 3.10 4.68 2.93 2.93	MEAN WS M/S 9.34 7.08 7.16 6.64 6.42 6.46 7.20 9.68 11.38 12.67 11.13 8.74 8.60 10.25 11.68 13.10	5.D. MS 1.64 2.49 2.89 2.89 2.89 3.99 3.50 5.50 6.50 9.40 5.66 5.66 3.98	.11 03 .32 .40 .24 .22 .27 .50 .52 .72 .52 .46 .60 .87 1.23 .25 .38	378. 411. 413. 413. 413. 413. 416. 411. 407. 406. 405. 403. 403. 393. 377. 356. 356. 350.
STATION Z iGH .1111 1.000 2.000 3.000 4.000 5.000 6.000 7.000 8.000 9.000 10.000 11.000 12.000 13.000 15.000 15.000 15.000 16.000 17.000 19.000 20.000 21.000	= 912170 MEAN U M/S -4.02 -7.57 -6.33 -6.40 -5.86 -5.53 -5.20 -4.36 -3.39 -2.0779 .16 1.17 1.57 1.4330 -4.35 -7.20 -9.83 -11.43 -12.91 -14.53	TAGUAC S.O. U M/S 1.89 3.49 3.06 3.12 3.08 3.28 3.58 3.93 4.80 6.00 6.94 8.23 9.67 10.70 10.92 10.30 7.66 5.41 3.68 3.73 4.02 4.89	R(U,Y) .1266 .0713 .1299 .1272 .0899 .1151 .1133 .1697 .1619 .2556 .2842 .2923 .2914 .2837 .2897 .3357 .2882 .2298 .1281 -0262 .1113 .0181	MEAN V M/S .23 1.18 .65 .69 .15 26 22 27 50 38 75 -1.36 -2.01 -2.59 -1.63 -1.22 -2.59	M/S 1.43 2.59 2.55 2.78 2.78 3.51 4.23 5.29 7.29 7.29 9.38 4.60 3.10 2.93 2.05 2.18	MEAN WS M/S 4.37 8.34 7.08 7.16 6.64 6.41 6.42 6.46 7.20 8.23 9.68 11.38 12.67 12.79 11.13 8.74 8.60 10.25 11.68 13.10	S.D. MS 1.843 1.849 2.849 2.842 2.853 3.953 3.953 5.50 7.046 5.499 3.688 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698 4.698	.11 03 .32 .40 .22 .27 .50 .52 .52 .46 .87 1.23 .89 .38 .38	378. 411. 413. 413. 413. 413. 416. 407. 406. 405. 403. 403. 393. 377. 357. 356. 356. 353.
STATION Z ixid .1111 1.000 2.000 3.000 4.000 5.000 6.000 7.000 8.000 9.000 11.000 12.000 13.000 14.000 15.000 15.000 16.000 17.000 18.000 19.000 20.000 22.000	= 912170 MEAN U M/S -4.02 -7.57 -6.33 -6.40 -5.86 -5.53 -5.20 -4.36 -3.39 -2.0779 1.157 1.4330 -9.83 -11.43 -12.91 -1.652	TAGUAC S.O. U M/S 1.89 3.49 3.06 3.12 3.08 3.28 3.58 3.58 3.93 4.80 6.00 6.94 8.23 9.67 10.70 10.92 10.30 7.66 5.41 3.68 3.73 4.89 5.72	R(U,Y) .1266 .0713 .1299 .1272 .0899 .1151 .1133 .1697 .1619 .2556 .2842 .2923 .2914 .2837 .2871 .3357 .2882 .2298 .1281 -0262 .1113 .0181 -0575	MEAN V M/S .23 1.18 .65 .69 .15 21 26 27 50 38 23 75 -1.36 -2.01 -2.68 -2.59 -1.63 -1.22 29	M/S 1.43 2.59 2.73 2.78 3.20 3.20 5.23 5.29 9.38 7.29 9.38 7.29 9.38 7.29 2.01 2.01 2.01 2.01 2.01	MEAN WS M/S 4.37 8.34 7.08 7.16 6.64 6.41 6.22 6.46 7.20 8.23 9.68 11.38 12.79 11.13 8.60 10.25 11.68 13.10 14.71 16.37	5.D. MS 1.643 2.49 2.89 2.89 2.89 3.99 3.99 3.59 5.59 7.01 6.49 3.66 3.68 3.68 3.68 3.68	.11 03 .32 .40 .22 .27 .50 .62 .52 .46 .60 .87 1.23 .89 .25 .38	378. 411. 413. 413. 413. 413. 412. 411. 407. 406. 405. 403. 403. 393. 377. 357. 358. 358. 350.
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STATION Z KOH .111 1.0000 2.0000 3.000 4.0000 5.0000 5.0000 9.0000 10.0000 12.0000 12.0000 14.0000 15.0000 19.0000 19.0000 20.0000 21.0000 22.0000 24.0000 24.0000 24.0000 24.0000	912170 MEAN U M/S -4.02 -7.57 -6.33 -6.40 -5.86 -5.53 -5.20 -4.36 -3.39 -2.0776 1.57 1.4330 -4.35 -7.20 -9.83 -11.43 -12.91 -14.53 -16.66 -19.12	TAGUAC S. 0. U M/S 1.89 3.49 3.06 3.12 3.08 3.28 3.58 3.93 4.80 6.90 8.23 9.67 10.70 10.92 10.30 7.66 5.41 3.68 3.73 4.02 4.89 5.41 5.41 5.42 5.43 5.41 5.43 5.44 6.77	R(U,V) .1266 .0713 .1299 .1272 .0899 .1151 .1133 .1697 .1619 .2556 .2842 .2923 .2914 .2837 .2871 .3357 .2892 .2298 .12810262 .1113 .0113057506261109	MEAN V M/S .23 1.18 .65 .69 .15 26 22 27 50 38 23 75 -1.36 -2.69 -1.63 -1.22 56 20 -1.63	M/S 1.43 2.59 2.78 3.20 3.23 5.23 5.29 7.23 9.38 4.60 2.19 3.10 2.19 2.19 2.19 2.55 5.29 5.29 7.29 5.29 7.29 5.29 7.29 5.29 7.29 5.20 5.20 5.20 5.20 5.20 5.20 5.20 5.20	MEAN WS M/S 4.37 8.34 7.08 7.16 6.64 6.41 6.42 6.46 7.20 8.23 9.68 11.38 12.67 12.79 11.13 8.74 8.60 10.25 11.68 13.10 14.71 16.37 17.83 19.31	5.D. M5 1.643 2.49 2.89 2.89 2.89 3.99 5.56 5.49 5.56 5.49 5.49 5.49 5.49 5.49 5.49 5.49 5.49	.11 03 .32 .40 .24 .22 .27 .50 .62 .72 .52 .46 .60 .87 1.23 .89 .25 .27	378. 411. 413. 413. 413. 413. 413. 416. 407. 406. 403. 403. 403. 393. 377. 356. 356. 356. 358. 358. 358.
STATION Z iOH .1111 1.000 2.000 3.000 4.000 5.000 6.000 7.000 8.000 10.000 11.000 12.000 13.000 15.000 15.000 16.000 17.000 16.000 17.000 18.000 28.000 28.000 28.000 28.000 28.000 28.000	912170 MEAN U M/S -4.02 -7.57 -6.33 -6.40 -5.86 -5.53 -5.20 -4.36 -3.39 -2.0779 1.57 1.57 1.53 -4.35 -7.20 -9.83 -11.43 -14.53 -16.22 -17.66 -19.12 -20.48	TAGUAC S.O. U M/S 1.89 3.49 3.06 3.12 3.08 3.58 3.58 3.58 3.70 10.92 10.92 10.92 10.92 10.92 10.92 10.92 10.92 10.92 10.92 10.92 10.93 10.93 10.93 10.93 10.93 10.93 10.93 10.93 10.93 10.93 10.93 10.93 10.93 10.93 10.93 10.93 10.93 10.93 10.93 10.93 10.93 10.93 10.93 10.93 10.93 10.93 10.93 10.93 10.93 10.93 10.93 10.93 10.93 10.93 10.93 10.93 10.93 10.93 10.93 10.93 10.93 10.93 10.93 10.93 10.93 10.93 10.93 10.93 10.93 10.93 10.93 10.93 10.93 10.93 10.93 10.93 10.93 10.93 10.93 10.93 10.93 10.93 10.93 10.93 10.93 10.93 10.93 10.93 10.93 10.93 10.93 10.93 10.93 10.93 10.93 10.93 10.93 10.93 10.93 10.93 10.93 10.93 10.93 10.93 10.93 10.93 10.93 10.93 10.93 10.93 10.93 10.93 10.93 10.93 10.93 10.93 10.93 10.93 10.93 10.93 10.93 10.93 10.93 10.93 10.93 10.93 10.93 10.93 10.93 10.93 10.93 10.93 10.93 10.93 10.93 10.93 10.93 10.93 10.93 10.93 10.93 10.93 10.93 10.93 10.93 10.93 10.93 10.93 10.93 10.93 10.93 10.93 10.93 10.93 10.93 10.93 10.93 10.93 10.93 10.93 10.93 10.93 10.93 10.93 10.93 10.93 10.93 10.93 10.93 10.93 10.93 10.93 10.93 10.93 10.93 10.93 10.93 10.93 10.93 10.93 10.93 10.93 10.93 10.93 10.93 10.93 10.93 10.93 10.93 10.93 10.93 10.93 10.93 10.93 10.93 10.93 10.93 10.93 10.93 10.93 10.93 10.93 10.93 10.93 10.93 10.93 10.93 10.93 10.93 10.93 10.93 10.93 10.93 10.93 10.93 10.93 10.93 10.93 10.93 10.93 10.93 10.93 10.93 10.93 10.93 10.93 10.93 10.93 10.93 10.93 10.93 10.93 10.93 10.93 10.93 10.93 10.93 10.93 10.93 10.93 10.93 10.93 10.93 10.93 10.93 10.93 10.93 10.93 10.93 10.93 10.93 10.93 10.93 10.93 10.93 10.93 10.93 10.93 10.93 10.93 10.93 10.93 10.93 10.93 10.93 10.93 10.93 10.93 10.93 10.93 10.93 10.93 10.93 10.93 10.93 10.93 10.93 10.93 10.93 10.93 10.93 10.93 10.93 10.93 10.93 10.93 10.93 10.93 10.93 10.93 10.9	R(U,Y) .1266 .0713 .1299 .1272 .0899 .1151 .1133 .1697 .1619 .2556 .2842 .2923 .2914 .2837 .2817 .3357 .2882 .298 .1281 -0.0562 .1113 .0181 -0.0575 -0.0626 -1109 -0.0694	MEAN V M/S .23 1.18 .65 .69 .15 -26 -22 -27 -50 -28 -2.59 -2.69 -1.63 -1.2256 -2008 -1.702	M/S 1.43 2.55 2.78 2.78 3.51 5.23 5.29 9.38 5.29 9.39 7.4.68 3.10 2.19 2.19 2.19 2.19 2.19 2.19 2.19 2.19	MEAN WS M/S 9.34 7.08 7.16 6.64 6.42 6.46 7.20 9.68 11.38 12.67 11.13 8.74 8.60 10.25 11.68 13.10 14.71 16.37 17.83 19.31 20.62	5.D. M5 1.843 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.849 1.84	.11 03 .32 .40 .24 .22 .27 .50 .62 .72 .55 .46 .87 1.23 .25 .29 .29 .29 .29	378. 411. 413. 413. 413. 413. 413. 416. 407. 406. 405. 403. 403. 403. 357. 356. 350. 343. 350. 324. 318.
STATION Z ixid .1111 1.000 2.000 3.000 4.000 5.000 6.000 7.000 8.000 9.000 11.000 12.000 13.000 14.000 15.000 16.000 17.000 18.000 19.000 20.000 21.000 23.000 24.000 25.000 25.000 26.000	912170 MEAN U M/S -4.02 -7.57 -6.33 -6.40 -5.86 -5.53 -5.50 -4.36 -3.39 -2.0779 1.17 1.57 1.435 -7.20 -9.83 -11.453 -12.91 -17.66 -19.18 -21.74	TAGUAC S.O. U M/S 1.89 3.49 3.06 3.12 3.08 3.58 3.58 3.58 3.93 4.80 6.00 6.94 8.23 9.67 10.70 10.92 10.30 7.66 5.41 3.68 3.73 4.02 4.89 5.72 6.77 7.11 7.39	R(U,Y) .1266 .0713 .1299 .1272 .0899 .1151 .1133 .1697 .1619 .2556 .2842 .2923 .2914 .2837 .2892 .298 .1281 -0262 .1113 -0575 -0626 -11109 -0694 -0861	MEAN V M/S .23 1.18 .65 .69 .15 26 22 27 50 38 75 -1.36 -2.59 -2.59 -1.63 -1.22 29 -1.63 -1.22 20 20 20 20 20 20 20 -	M/S 1.43 2.55 2.573 2.78 2.78 3.51 4.23 5.29 7.29 8.37 9.38 4.68 12.07 2.35 2.35 2.36 2.37 4.68 2.37 2.37 2.37 2.37 2.37 2.37 2.37 2.37	MEAN WS M/S 9.34 7.08 7.16 6.64 6.41 6.42 6.46 7.20 8.23 9.68 11.38 12.57 11.13 8.74 8.60 10.25 11.68 13.10 14.71 16.37 17.83 19.31 20.62 21.90	S.D. MS 1.843 1.849 1.849 2.845 2.853 3.953 3.953 5.565 7.469 3.668 4.566 6.705 7.30	.11 03 .32 .40 .22 .27 .50 .52 .46 .60 .87 1.23 .25 .26 .27 .19 .27 .00 10	378. 411. 413. 413. 413. 413. 413. 416. 407. 406. 405. 403. 403. 393. 377. 358. 356. 350. 343. 353. 357. 318. 323.
STATION Z ict .111 1.000 2.000 3.000 4.000 5.000 5.000 6.000 7.000 8.000 9.000 11.000 12.000 13.000 14.000 15.000 16.000 17.000 18.000 19.000 21.000 22.000 23.000 24.000 25.000 25.000 27.000	912170 MEAN U M/S -4.02 -7.57 -6.33 -6.40 -5.86 -5.53 -5.20 -4.36 -3.39 -2.0779 .16 1.17 1.57 1.4335 -7.20 -9.83 -11.43 -12.91 -14.53 -16.22 -17.66 -19.12 -20.48 -21.74 -23.09	TAGUAC S. 0. U M/S 1.89 3.49 3.06 3.12 3.08 3.58 3.58 3.93 4.80 6.00 6.94 8.23 10.92 10.92 10.92 10.93 7.66 5.41 3.68 3.72 4.89 5.72 4.89 5.72 5.73 7.34 7.34	R(U,Y) .1266 .0713 .1299 .1272 .0899 .1151 .1133 .1697 .1619 .2556 .2842 .2923 .2914 .2837 .2871 .3357 .2882 .2298 .12810262 .1113 .057506261109066940861	MEAN V M/5 .23 1.18 .65 .69 .15 22 27 50 38 23 75 -1.36 -2.01 -2.68 -2.59 -1.63 -1.22 56 -2.09 -1.63 -1.22 08 08	M/S 1.43 2.595 2.78 2.78 3.25 2.78 3.25 3.22 3.22 3.23 5.29 9.38 7.43 2.35 2.35 2.35 2.35 2.35 2.35 2.35 2.3	MEAN WS 4.37 8.34 7.08 7.16 6.641 6.42 6.46 7.20 8.23 9.68 11.38 12.67 11.13 8.74 8.60 10.25 11.68 13.10 14.71 16.37 17.83 19.31 20.62 23.26	5.D. MS 1.643 2.70 2.895 2.895 3.993 4.5197 6.499 4.5197 6.499 5.400 6.725 7.300 7.326	.11 03 .32 .40 .24 .22 .27 .50 .62 .72 .56 .46 .60 .87 .25 .38 .41 .27 .90 .90 .90 .90 .90 .90 .90 .90 .90 .90	378. 411. 413. 413. 413. 413. 413. 416. 407. 406. 405. 403. 403. 393. 377. 358. 356. 350. 343. 318. 324. 318. 328.
STATION Z KO1 .111 1.0000 2.000 3.000 4.000 5.000 6.000 7.000 8.000 9.000 11.000 12.000 13.000 14.000 15.000 15.000 17.000 18.000 19.000 20.000 21.000 22.000 23.000 24.000 25.000 25.000 28.000 28.000	912170 MEAN U M/S -4.02 -7.57 -6.33 -6.40 -5.86 -5.53 -5.20 -4.36 -3.39 -2.0779 .16 1.17 1.57 1.4330 -4.35 -7.20 -9.83 -11.43 -12.91 -14.53 -17.66 -19.12 -20.48 -21.74 -23.09 -24.10	TAGUAC 5.0. U M/S 1.89 3.49 3.06 3.12 3.08 3.28 3.58 3.93 4.80 6.90 8.67 10.70 10.92 10.30 7.64 1.89 5.45 5.45 6.77 7.11 7.34 7.67	R(U,Y) .1266 .0713 .1299 .1272 .0899 .1151 .1133 .1697 .1619 .2556 .2942 .2923 .2914 .2837 .2871 .3357 .2882 .2298 .12810262 .1113 .01810575062611090694086110270168	MEAN V M/S .23 1.18 .65 .69 .15 22 27 50 38 23 75 -1.36 -2.01 -2.68 -2.59 -1.63 -1.22 20 20 20 20 20 20 20 -	M/S 1.43 2.595 2.788 2.788 2.788 2.789 2.23 2.23 2.23 2.23 2.23 2.23 2.23 2.2	MEAN WS M/S 4.37 8.34 7.08 7.16 6.64 6.42 6.46 7.20 8.23 9.68 11.38 12.67 11.13 8.74 8.60 10.25 11.68 13.10 14.71 16.37 17.83 19.31 20.62 21.90 23.26 24.30	5.D. M5 1.643 2.49 2.89 2.89 3.95 3.95 5.55 6.49 9.866 7.05 7.266 7.266	.11 03 .32 .40 .24 .22 .27 .52 .52 .46 .60 .87 1.23 .25 .27 .00 10 27	378. 411. 413. 413. 413. 413. 413. 413. 416. 407. 406. 405. 403. 403. 393. 377. 357. 358. 356. 350. 343. 318. 323. 318. 328.
STATION Z ict .111 1.000 2.000 3.000 4.000 5.000 5.000 6.000 7.000 8.000 9.000 11.000 12.000 13.000 14.000 15.000 16.000 17.000 18.000 19.000 21.000 22.000 23.000 24.000 25.000 25.000 27.000	912170 MEAN U M/S -4.02 -7.57 -6.33 -6.40 -5.86 -5.53 -5.20 -4.36 -3.39 -2.0779 .16 1.17 1.57 1.4335 -7.20 -9.83 -11.43 -12.91 -14.53 -16.22 -17.66 -19.12 -20.48 -21.74 -23.09	TAGUAC S. 0. U M/S 1.89 3.49 3.06 3.12 3.08 3.58 3.58 3.93 4.80 6.00 6.94 8.23 10.92 10.92 10.92 10.93 7.66 5.41 3.68 3.72 4.89 5.72 4.89 5.72 5.73 7.34 7.34	R(U,Y) .1266 .0713 .1299 .1272 .0899 .1151 .1133 .1697 .1619 .2556 .2842 .2923 .2914 .2837 .2871 .3357 .2882 .2298 .12810262 .1113 .057506261109066940861	MEAN V M/5 .23 1.18 .65 .69 .15 22 27 50 38 23 75 -1.36 -2.01 -2.68 -2.59 -1.63 -1.22 56 -2.09 -1.63 -1.22 08 08	M/S 1.43 2.595 2.78 2.78 3.25 2.78 3.25 3.22 3.22 3.23 5.29 9.38 7.43 2.35 2.35 2.35 2.35 2.35 2.35 2.35 2.3	MEAN WS 4.37 8.34 7.08 7.16 6.64 6.41 6.22 6.46 7.20 8.23 9.68 11.38 12.67 11.13 8.60 10.25 11.63 17.83 19.31 19.31 20.62 23.26	5.D. MS 1.643 2.70 2.895 2.895 3.993 4.5197 6.499 4.5197 6.499 5.400 6.725 7.300 7.326	.11 03 .32 .40 .24 .22 .27 .50 .62 .72 .56 .46 .60 .87 .25 .38 .41 .27 .90 .90 .90 .90 .90 .90 .90 .90 .90 .90	378. 411. 413. 413. 413. 413. 413. 416. 407. 406. 405. 403. 403. 393. 377. 358. 356. 350. 343. 318. 324. 318. 328.

Same to respect the second bases of the second property to second by the second bases of the second bases.

TABLE	1. 7		ISTICAL P	ARAMETERS.		ق	ULY		
	- 912170	TAGUAC							
7	MEAN U	5.D. U	R(U,V)	MEAN V	S.D. V	MEAN WS	S.D. WS	skeh W S	NOBS
КM	M/S	M/S		M/S	M/S	M/S	H/S	~ .	
.111	-2.32	2.32	.0909	.57	1.74	3.38	1.63	.54	409.
1.000	-4.44 -4.02	5.04	.0968	1.61	3.42	6.76	3.69	.80	423.
2.000 3.000	-4.52 -4.43	4.54 4.53	.2503	1.37	3.20	6.19	3.23	.82	425.
4.000	-4.22	4.64	.2333	1.39	2.35	6.53	3.25	.48	425.
5.000	-4.16	4.59	.3254	1.34	3.60	6.58	3.27	.61	427.
6.000	-4.00	4.51	.2925	1.11 .78	3.92 3.88	6.64	3.30	. 58	427.
7.000	-3.81	4.22	.2885	. 76	3.71	6.36 5.96	3.40 3.26	.74 .67	424.
9.000	-3.54	4.25	.2302	25	3.71	5.93	3.23	.59	421. 421.
9.000	-3.34	4.86	.1717	61	4.23	6.39	3.50	.83	421.
10.000	-3.17	5.44	.1850	-1.05	4.87	6.96	3.99	1.17	419.
11.000	-3.22	6.58	.16+4	-1.66	5.68	8.11	4.77	1.21	415.
12.000	-3.30	7.95	.1787	-2.95	6.79	9.89	5.60	.91	415.
13.000	-3.80	8 84	.1646	-4.29	7.84	11.44	6.43	.99	469.
14.000	-4.71	9.42	.1341	-5.23	8.35	12.60	7.01	.74	405.
15.000	-6.70	8.69	.2663	-4.99	7.14	12.21	6.85	.65	396.
16.000	-9.27	6.42	.2897	-3.74	4.42	11.40	5.53	.41	378.
17.000	-11.59	4.25	.2537	-2.60	2.67	12.20	4.20	16	358.
18.000	-14.05	3.15	.0734	-1.43	2.26	14.31	3.13	.26	359.
19.000	-15.71	3.42	.0337	-1.01	5.50	15.90	3.41	. 34	353.
20.000	-16.92	3.88	0077	39	2.11	17.06	3.84	. 16	346.
21.000	-18.15	4.82	.0456	24	2.45	18.33	4.76	.26	336
22.000	-19.48	5.78	0058	07	5 .22	19.63	5.68	.22	313.
23.000	-20.86	6.65	0268	02	2.41	21.03	6.55	.19	303.
24.000	-22.15	7.14	0839	23	2.57	22.32	7.08	.09	295.
25.000	-23.99	7.14	0712	09	2.19	24.09	7.12	13	298.
26.000	-25.31	7.17	0499	.01	2.38	25.43	7.14	30	286
27.000	-26.72	7.00	0883	.02	2.77	26.87	6.94	15	266.
28.000	-27.96	7.32	0878	. 16	3.14	28.15	7.27	12	246.
29.000	-29.38	7.79	0372	.17	2.83	29.54	7.73	14	2:0.
30.000	-30.18	7.28	0657	.41	3.08	30.35	7.23	21	145.
TABLE STATION		HIND STATI	STICAL P	ARAMETERS.		AL	JOUST		
STATION Z	912170 MEAN U	TAGUAC S.D. U	ISTICAL P	ARAMETERS. MEAN V	5.0. V	al Mean Ws	JOUST 5.0. HS	sken ns	NOSS
STATION Z KM	912170 MEAN U M/S	TAGUAC S.D. U M/S	R(U,V)	MEAN V M/S	5.D. V M/S			skeh m2	NOSS
STATION Z KM .111	912170 MEAN U M/S -1.40	TAGUAC S.D. U M/S 2.81	R(U,V)	MEAN V M/S .80		MEAN HS	5.0. H S	SKEH HS	NOSS 398.
STATION / Z IO1 .111 1.000	912170 MEAN U M/S -1.40 -2.08	TAGUAC S.D. U M/S 2.81 6.71	.2512 .3023	MEAN V M/S .80 2.13	M/S 1.98 4.41	MEAN HS M/S	5. <i>D. H</i> S M/S		
STATION / Z IO1 .111 1.000 2.000	= 912170 MEAN U M/S -1.40 -2.08 -2.18	TAGUAC S.D. U M/S 2.81 6.71 5.38	.2512 .3023 .3228	MEAN V M/S .80 2.13 1.82	M/S 1.98 4.41 4.29	MEAN WS M/S 3.35	5.0. NS M/S 1.78	.95	398.
STATION 2 KM .111 1.000 2.000 3.000	912170 MEAN U M/S -1.40 -2.08 -2.18 -2.85	TAGUAC S.D. U M/S 2.81 6.71 6.38 5.93	.2512 .3023 .3228 .2657	MEAN V M/S .80 2.13 1.82 1.77	M/S 1.98 4.41 4.29 4.28	MEAN MS M/S 3.35 7.23 6.88 6.96	5.0. HS M/S 1.78 4.57 4.45 4.04	.95 1.65 1.91 1.34	398. 422.
STATION - Z - KM111 1 .000 2 .000 3 .000 4 .000	912170 MEAN U M/S -1.40 -2.08 -2.18 -2.85 -3.06	TAGUAC S.D. U M/S 2.81 6.71 6.38 5.93 5.36	.2512 .3023 .3228 .2657 .2616	MEAN V M/S .80 2.13 1.82 1.77	M/S 1.98 4.41 4.29 4.28 4.54	MEAN WS M/S 3.35 7.23 6.88 6.96 6.84	S.D. WS M/S 1.78 4.57 4.45 4.04 3.85	.95 1.65 1.91	398. 422. 425.
STATION - Z - KM .111 1.000 2.000 3.000 4.000 5.000	912170 MEAN U M/S -1.40 -2.08 -2.18 -2.85 -3.06 -3.03	TAGUAC S.D. U M/S 2.01 6.71 6.38 5.93 5.36 5.43	R(U,V) .2512 .3023 .3228 .2657 .2616 .2671	MEAN V M/S .80 2.13 1.82 1.77 1.75	M/S 1.98 4.41 4.29 4.28 4.54 4.80	MEAN WS M/S 3.35 7.23 6.88 6.96 6.84 6.88	S.D. MS M/S 1.78 4.57 4.45 4.04 3.85 4.09	.95 1.65 1.91 1.34 1.54 1.64	398. 422. 425. 424. 425.
STATION 2 100 111 1.000 2.000 3.000 4.000 5.000 6.000	912170 PEAN U M/S -1.40 -2.08 -2.18 -2.85 -3.06 -3.03 -3.01	TAGUAC S.D. U M/S 2.81 6.71 6.38 5.93 5.36 5.43 5.29	R(U,V) .2512 .3023 .3228 .2657 .2616 .2671 .1971	MEAN V M/S .80 2.13 1.82 1.77 1.75 1.58 1.18	M/S 1.98 4.41 4.29 4.28 4.54 4.60	MEAN WS M/S 3.35 7.23 6.88 6.96 6.84 6.88 6.66	S.D. MS M/S 1.78 4.57 4.45 4.04 3.85 4.09 3.99	.95 1.65 1.91 1.34 1.54 1.64	398. 422. 425. 424. 425. 425.
STATION : Z KM .111 1.000 2.000 3.000 4.000 5.000 5.000 7.000 7.000 7.000	912170 MEAN U M/S -1.40 -2.08 -2.18 -2.85 -3.06 -3.03 -3.01 -2.87	TAGUAC S.D. U M/S 2.81 6.71 6.38 5.93 5.36 5.43 5.29 5.20	R(U,V) .2512 .3023 .3228 .2657 .2616 .2671 .1971	MEAN V H/S .80 2.13 1.82 1.77 1.75 1.58 1.18	M/S 1.98 4.41 4.29 4.28 4.54 4.80 4.67 4.13	MEAN 45 M/S 3.35 7.23 6.88 6.96 6.84 6.88 6.66 6.30	5.0. MS M/S 1.78 4.57 4.45 4.04 3.85 4.09 3.99 3.61	.95 1.65 1.91 1.34 1.54 1.64 1.26	398. 422. 425. 424. 425. 425. 425.
STATION Z KM1 .111 1.000 2.000 3.000 4.000 5.000 6.000 7.000 8.000	= 912170 MEAN U M/S -1.40 -2.08 -2.18 -2.85 -3.06 -3.03 -3.01 -2.87 -2.66	TAGUAC S.D. U M/S 2.81 6.71 6.38 5.93 5.36 5.43 5.29 5.20 5.33	R(U,V) .2512 .3023 .3229 .2657 .2616 .2671 .1971 .1933 .2211	MEAN V M/S .80 2.13 1.82 1.77 1.75 1.58 1.18 .72 .39	M/S 1.98 4.41 4.29 4.28 4.54 4.67 4.67	MEAN MS M/S 3.35 7.23 6.88 6.96 6.84 6.88 6.66 6.30 6.37	S.O. MS M/S 1.78 4.57 4.45 4.04 3.85 4.09 3.89 3.61 3.59	.95 1.65 1.91 1.34 1.54 1.64 1.26 .93	398. 422. 425. 424. 425. 425. 425. 423.
STATION 2 KM .111 1.000 2.000 3.000 4.000 5.000 6.000 7.000 8.000 9.000	= 912170 MEAN U M/S -1.40 -2.08 -2.18 -2.85 -3.06 -3.03 -3.01 -2.87 -2.56 -2.59	TAGUAC S.D. U M/S 2.81 6.71 6.38 5.93 5.36 5.43 5.29 5.20 5.33 5.66	R(U,V) .2512 .3023 .3229 .2657 .2616 .2671 .1971 .1933 .2211 .2351	MEAN V M/S .80 2.13 1.82 1.77 1.75 1.58 1.18 .72 .39 19	M/S 1.98 4.41 4.29 4.28 4.54 4.90 4.67 4.13 4.24 4.59	MEAN MS M/S 3.35 7.23 6.88 6.96 6.84 6.88 6.66 6.30 6.37 6.81	S.O. MS M/S 1.78 4.57 4.45 4.04 3.85 4.09 3.99 3.61 3.59 3.66	.95 1.65 1.91 1.34 1.54 1.64 1.26 .93 .99	398. 422. 425. 425. 425. 425. 425. 423. 423.
STATION 2 KM .111 1.000 2.000 3.000 4.000 5.000 6.000 7.000 8.000 9.000 10.000	= 912170 MEAN U M/S -1.40 -2.08 -2.19 -2.85 -3.06 -3.03 -3.01 -2.87 -2.59 -2.64	TAGUAC S.D. U M/S 2.81 6.71 6.38 5.93 5.36 5.43 5.29 5.20 5.33 5.66 6.25	R(U,V) .2512 .3023 .3228 .2657 .2616 .2671 .1971 .1933 .2211 .2351 .2686	MEAN V M/S .80 2.13 1.82 1.77 1.75 1.58 1.18 .72 .39 19 98	M/S 1.98 4.41 4.29 4.54 4.90 4.67 4.13 4.59 4.59	MEAN MS M/S 3.35 7.23 6.88 6.96 6.84 6.88 6.66 6.30 6.37 6.81 7.53	S.O. MS M/S 1.78 4.57 4.57 4.04 3.85 4.09 3.99 3.61 3.59 3.66 3.82	.95 1.65 1.91 1.34 1.54 1.64 1.26 .93 .99	398. 422. 425. 425. 425. 425. 422. 422. 421.
STATION 2 KM .1111 1.000 2.000 3.000 4.000 5.000 6.000 7.000 8.000 9.000 10.000 11.000	= 912170 MEAN U M/S -1.40 -2.08 -2.18 -2.85 -3.06 -3.03 -3.01 -2.87 -2.66 -2.69 -2.64 -2.66	TAGUAC S.D. U M/S 2.81 6.71 6.38 5.93 5.36 5.43 5.29 5.20 5.33 5.66 6.25 7.30	R(U,V) .2512 .3023 .3229 .2657 .2616 .2671 .1971 .1933 .2211 .2351 .2686 .3018	MEAN V M/S .80 2.13 1.82 1.77 1.75 1.58 1.18 .72 .39 19 98	M/S 1.98 3.41 4.29 4.28 4.67 4.67 4.13 4.24 4.59 4.93 5.94	MEAN 45 M/S 3.35 7.23 6.88 6.96 6.84 6.86 6.30 6.37 5.81 7.53 8.73	5.0. MS M/S 1.78 4.57 4.45 4.09 3.85 4.09 3.61 3.59 3.66 3.82 4.75	.95 1.65 1.91 1.34 1.54 1.64 1.26 .93 .99 .72	398. 425. 425. 425. 425. 425. 422. 423. 421. 418.
STATION Z MM .111 1.000 2.000 3.000 4.000 5.000 6.000 7.000 8.000 9.000 10.000 11.000 12.000	= 912170 MEAN U M/S -1.40 -2.08 -2.18 -2.85 -3.06 -3.03 -3.01 -2.87 -2.56 -2.59 -2.64 -2.66	TAGUAC S.D. U M/S 2.81 6.71 6.38 5.93 5.36 5.43 5.29 5.20 5.33 5.66 6.25 7.30 8.17	R(U,V) .2512 .3023 .3229 .2657 .2616 .2671 .1971 .1933 .2211 .2351 .2686 .3018	MEAN V M/S .80 2.13 1.82 1.77 1.75 1.58 1.18 .72 .39 19 19 19	M/S 1.98 4.41 4.29 4.29 4.54 4.90 4.67 4.13 4.24 4.59 4.93 5.94 7.31	MEAN 45 M/S 3.35 7.23 6.88 6.96 6.84 6.86 6.30 6.37 6.31 7.53 8.73	5.0. MS M/S 1.78 4.57 4.45 4.04 3.85 4.09 3.61 3.59 3.66 3.59 3.66 3.75 5.86	.95 1.65 1.91 1.34 1.54 1.64 1.26 .93 .99 .72 .50	398. 425. 425. 425. 425. 425. 426. 423. 421. 418. 417.
STATION Z KM .111 1.000 2.000 3.000 4.000 5.000 6.000 7.000 8.000 9.000 10.000 11.000 12.000 13.000	912170 MEAN U M/S -1.40 -2.08 -2.18 -2.85 -3.06 -3.03 -3.01 -2.87 -2.66 -2.59 -2.64 -2.66 -2.87 -3.02	TAGUAC S.D. U M/S 2.81 6.71 6.38 5.93 5.36 5.43 5.29 5.20 5.33 5.66 6.25 7.30 8.17 9.05	R(U,V) .2512 .3023 .3229 .2657 .2616 .2671 .1971 .1933 .2211 .2351 .2686 .3018 .2994 .2964	MEAN V M/S .80 2.13 1.82 1.77 1.75 1.58 1.18 .72 .39 19 98 -1.79 -3.28 -4.90	M/S 1.98 4.41 4.29 4.28 4.54 4.67 4.67 4.67 4.59 4.93 5.94 9.80	MEAN MS M/S 3.35 7.23 6.88 6.96 6.84 6.88 6.66 6.30 6.37 6.81 7.53 8.73 12.04	5.0. MS M/S 1.78 4.45 4.45 4.04 3.85 4.09 3.61 3.59 3.66 3.82 4.75 5.86 6.87	.95 1.65 1.91 1.34 1.54 1.64 1.26 .93 .99 .72 .50	398. 425. 424. 425. 425. 425. 426. 421. 421. 411. 417.
STATION Z KM .111 1.000 2.000 3.000 4.000 5.000 6.000 7.000 8.000 9.000 10.000 11.000 12.000 14.000	912170 MEAN U M/S -1.40 -2.08 -2.19 -2.95 -3.06 -3.03 -3.01 -2.66 -2.59 -2.64 -2.66 -2.37 -3.02 -3.72	TAGUAC S.D. U M/S 2.81 6.71 6.38 5.93 5.36 5.43 5.29 5.20 5.33 5.66 6.25 7.30 8.17 9.05 9.84	R(U,V) .2512 .3023 .3229 .2657 .2616 .2671 .1971 .1933 .2211 .2351 .2686 .3018 .2994	MEAN V M/S .80 2.13 1.82 1.77 1.75 1.58 1.18 .72 .39 19 98 -1.79 -3.28 -4.90 -6.13	M/S 1.98 4.41 4.29 4.54 4.80 4.67 4.13 4.24 4.59 4.93 5.94 7.31 8.80 9.56	MEAN MS M/S 3.35 7.23 6.88 6.96 6.84 6.86 6.30 6.37 6.81 7.53 8.73 10.23 12.04 13.61	S.O. MS M/S 1.78 4.57 4.45 4.04 3.85 4.09 3.61 3.59 3.66 3.82 4.75 5.86 6.87 7.36	.95 1.65 1.91 1.34 1.54 1.64 1.26 .93 .99 .72 .50 .89 .88	398. 425. 425. 425. 425. 425. 425. 421. 417. 417. 417.
X KM .111 1.000 2.000 3.000 4.000 5.000 6.000 7.000 8.000 9.000 11.000 12.000 13.000 14.000 15.000 15.000	912170 MEAN U M/S -1.40 -2.08 -2.18 -2.85 -3.06 -3.03 -3.01 -2.87 -2.66 -2.59 -2.64 -2.66 -2.87 -3.02 -3.72 -5.90	TAGUAC S.D. U M/S 2.81 6.71 6.38 5.93 5.36 5.43 5.29 5.20 5.33 5.66 6.25 7.30 8.17 9.05 9.04 9.77	R(U,V) .2512 .3023 .3229 .2657 .2616 .2671 .1971 .1933 .2211 .2351 .2686 .3018 .2994 .2964 .3106 .2902	MEAN V M/S .80 2.13 1.82 1.77 1.75 1.58 1.18 .72 .39 19 98 +1.79 -3.98 -4.90 -6.13 -5.93	M/S 1.98 4.41 4.29 4.54 4.80 4.67 4.13 4.59 4.93 5.94 7.31 8.80 9.56 8.24	MEAN MS M/S 3.35 7.23 6.88 6.96 6.84 6.88 6.66 6.30 6.37 6.81 7.53 8.73 10.23 12.04 13.61 13.49	S.O. MS M/S 1.78 4.57 4.45 4.04 3.85 4.09 3.61 3.59 3.66 3.82 4.75 5.86 6.87 7.36	. 95 1 . 65 1 . 91 1 . 34 1 . 54 1 . 64 1 . 26 . 93 . 99 . 72 . 50 . 82 . 89 . 88 . 89	398. 425. 425. 425. 425. 425. 426. 421. 417. 417. 417. 419.
STATION Z MM .1111 1.000 2.000 3.000 4.000 5.000 6.000 7.000 8.000 9.000 11.000 12.000 13.000 14.000 15.000 16.000	912170 MEAN U M/S -1.40 -2.08 -2.18 -2.85 -3.06 -3.01 -2.87 -2.66 -2.69 -2.64 -2.66 -2.87 -3.02 -3.02 -3.02	TAGUAC S.D. U M/S 2.81 6.71 6.38 5.93 5.36 5.43 5.29 5.20 5.33 5.66 6.25 7.30 8.17 9.05 9.84 9.77 6.98	R(U,V) .2512 .3023 .3229 .2657 .2616 .2671 .1971 .1933 .2211 .2351 .2686 .3018 .2994 .2964 .3106 .2902 .2070	MEAN V M/S .80 2.13 1.82 1.77 1.75 1.58 1.18 .72 .39 19 98 -1.79 -3.28 -4.90 -6.13 -5.93 -3.96	M/S 1.98 4.41 4.29 4.54 4.90 4.67 4.13 4.24 4.93 5.94 7.31 8.80 9.56 8.24 4.91	MEAN 45 M/S 3.35 7.23 6.88 6.96 6.84 6.86 6.37 6.37 6.37 10.23 12.04 13.61 13.49	S.D. MS M/S 1.78 4.57 4.45 4.04 3.85 4.09 3.61 3.59 3.66 3.75 5.86 6.87 7.36 6.17	.95 1.65 1.91 1.34 1.54 1.64 1.26 .93 .99 .72 .50 .82 .89 .89	398. 425. 425. 425. 425. 425. 422. 421. 417. 417. 417. 415. 409.
STATION Z MM .111 1.000 2.000 3.000 4.000 5.000 6.000 7.000 8.000 9.000 11.000 12.000 13.000 14.000 15.000 16.000 17.000	912170 MEAN U M/S -1.40 -2.08 -2.18 -2.85 -3.06 -3.03 -3.01 -2.87 -2.56 -2.59 -2.66 -2.69 -2.66 -2.87 -3.02 -3.72 -5.90 -8.94 -11.50	TAGUAC S.D. U M/S 2.81 6.71 6.38 5.93 5.36 5.43 5.29 5.20 5.33 5.66 6.25 7.30 8.17 9.05 9.84 9.77 6.98	R(U,V) .2512 .3023 .3229 .2657 .2616 .2671 .1971 .1933 .2211 .2351 .2686 .3018 .2994 .2964 .3106 .2902 .2070 .2633	MEAN V M/S .80 2.13 1.82 1.77 1.75 1.58 1.18 .72 .39 -19 -19 -199 -1.79 -3.28 -4.90 -6.13 -5.93 -3.96 -2.58	M/S 1.98 4.41 4.29 4.29 4.67 4.67 4.29 4.29 4.29 4.29 4.29 2.87	MEAN 45 M/S 3.35 7.23 6.88 6.96 6.84 6.86 6.30 6.37 6.81 7.53 10.23 12.04 13.61 13.49 11.41 12.15	5.0. MS M/S 1.78 4.57 4.45 4.04 3.85 4.09 3.61 3.59 3.66 3.82 4.75 5.86 6.87 7.36 7.14 6.17 4.71	.95 1.65 1.91 1.34 1.54 1.64 1.26 .93 .72 .50 .82 .89 .89 .74	398. 425. 425. 425. 425. 425. 423. 421. 417. 417. 417. 417. 417. 419. 392.
STATION Z MM .1111 1.000 2.000 3.000 4.000 5.000 6.000 7.000 8.000 9.000 11.000 12.000 13.000 14.000 15.000 16.000	912170 MEAN U M/S -1.40 -2.08 -2.18 -2.85 -3.06 -3.03 -3.01 -2.87 -2.66 -2.69 -2.69 -2.64 -2.66 -2.67 -3.02 -3.72 -5.90 -11.50 -14.29	TAGUAC S.D. U M/S 2.81 6.71 6.38 5.93 5.36 5.43 5.29 5.20 5.33 5.66 6.25 7.30 8.17 9.05 9.84 9.77 6.98	R(U,V) .2512 .3023 .3229 .2657 .2616 .2671 .1971 .1933 .2211 .2351 .2686 .3018 .2994 .2964 .3106 .2902 .2070 .2633	MEAN V M/S .80 2.13 1.82 1.77 1.75 1.58 1.18 .72 .39 19 99 -1.79 -3.28 -4.90 -6.13 -5.93 -3.96 -2.58 -1.27	M/S 1.98 4.41 4.29 4.28 4.67 4.67 4.67 4.59 4.93 5.94 9.56 8.24 4.91 2.87 2.22	MEAN MS 3.35 7.23 6.88 6.96 6.89 6.66 6.30 6.37 6.81 7.53 8.73 12.04 13.61 13.49 11.41 12.15 14.53	5.0. MS M/S 1.78 4.45 4.45 4.04 3.85 4.09 3.61 3.59 3.66 3.82 4.75 5.86 6.87 7.36 7.14 6.17 4.71 3.79	. 95 1 . 65 1 . 91 1 . 34 1 . 54 1 . 64 1 . 26 . 93 . 72 . 50 . 82 . 89 . 74 . 59 . 41	398. 425. 424. 425. 425. 425. 426. 421. 417. 417. 417. 417. 417. 359.
STATION Z KM .111 1.000 2.000 3.000 4.000 5.000 6.000 7.000 8.000 9.000 10.000 11.000 12.000 13.000 14.000 15.000 16.000 17.000 18.000	912170 MEAN U M/S -1.40 -2.08 -2.18 -2.85 -3.06 -3.03 -3.01 -2.87 -2.56 -2.59 -2.66 -2.69 -2.66 -2.87 -3.02 -3.72 -5.90 -8.94 -11.50	TAGUAC S.D. U M/S 2.81 6.71 6.38 5.93 5.36 5.43 5.29 5.20 5.33 5.66 6.25 7.30 8.17 9.05 9.84 9.77 6.98 4.77 3.82 3.80	R(U,V) .2512 .3023 .3229 .2657 .2616 .2671 .1933 .2211 .2351 .2686 .3018 .2994 .3106 .2902 .2070 .2633 .0601 .0760	MEAN V M/S .80 2.13 1.82 1.77 1.75 1.58 1.18 .72 .39 19 99 -1.79 -3.28 -4.90 -6.13 -5.93 -3.96 -2.58 -1.27 76	M/S 1.98 4.41 4.29 4.54 4.80 4.67 4.59 4.93 5.94 7.80 9.56 8.24 4.91 2.25	MEAN MS M/S 3.35 7.23 6.88 6.96 6.84 6.88 6.66 6.30 6.37 6.81 7.53 8.73 10.23 12.04 13.61 13.49 11.41 12.15 14.53 15.97	5.0. MS M/S 1.78 4.45 4.45 4.04 3.85 4.09 3.61 3.59 3.66 3.82 4.75 5.86 6.87 7.36 7.14 6.17 4.71 3.79 3.79	.95 1.65 1.91 1.34 1.54 1.64 1.26 .93 .99 .89 .89 .89	398. 425. 424. 425. 425. 425. 426. 421. 417. 417. 417. 417. 417. 417. 417. 41
STATION Z KM .111 1.000 2.000 3.000 4.000 5.000 6.000 7.000 8.000 9.000 10.000 11.000 12.000 12.000 14.000 15.000 16.000 17.000 18.000 19.000	912170 MEAN U M/S -1.40 -2.08 -2.19 -2.85 -3.06 -3.03 -3.01 -2.87 -2.66 -2.59 -2.64 -2.66 -2.87 -3.02 -3.72 -5.90 -8.94 -11.50 -14.29 -15.80	TAGUAC S.D. U M/S 2.81 6.71 6.38 5.93 5.36 5.43 5.29 5.20 5.33 5.66 6.25 7.30 8.17 9.05 9.77 6.98 4.77 3.82 3.80 4.41	R(U,V) .2512 .3023 .3229 .2657 .2616 .2671 .1971 .1933 .2211 .2351 .2686 .3018 .2994 .2964 .3106 .2902 .2070 .2633 .0601 .0760 .0150	MEAN V M/S .80 2.13 1.82 1.77 1.75 1.58 1.18 .72 .39 19 98 -1.79 -3.28 -4.90 -6.13 -5.93 -2.58 -1.27 76 53	M/S 1.98 1.92 1.93 1.93 1.90 1.93 1.93 1.93 1.93 1.93 1.93 1.93 1.93	MEAN 45 M/S 3.35 7.23 6.88 6.96 6.84 6.66 6.30 6.37 5.81 7.53 8.73 10.23 12.04 13.49 11.41 12.15 14.53 15.97 17.15	5.0. MS M/S 1.78 4.57 4.45 4.09 3.85 4.09 3.61 3.59 3.66 3.82 4.75 5.86 6.87 7.14 6.17 4.71 3.79 4.39	.95 1.65 1.91 1.34 1.54 1.64 1.26 .93 .99 .88 .89 .89 .89	398. 425. 425. 425. 425. 425. 426. 421. 417. 417. 417. 417. 417. 419. 392. 359. 359. 359.
STATION Z KM .111 1.000 2.000 3.000 4.000 5.000 6.000 7.000 8.000 10.000 11.000 12.000 13.000 14.000 15.000 16.000 17.000 18.000 19.000 20.000	912170 MEAN U M/S -1.40 -2.08 -2.19 -2.85 -3.06 -3.03 -3.01 -2.66 -2.59 -2.64 -2.66 -2.87 -3.02 -3.72 -5.90 -8.94 -11.50 -14.29 -15.80 -16.99	TAGUAC S.D. U M/S 2.81 6.71 6.38 5.93 5.36 5.43 5.29 5.20 5.33 5.66 6.25 7.30 8.17 9.05 9.84 9.77 6.98 4.77 3.82 3.80	R(U,V) .2512 .3023 .3229 .2657 .2616 .2671 .1933 .2211 .2351 .2686 .3018 .2994 .3106 .2902 .2070 .2633 .0601 .0760	MEAN V M/S .80 2.13 1.82 1.77 1.75 1.58 1.18 .72 .39 19 19 2.88 -4.90 -6.13 -5.93 -3.96 -2.58 -1.27 76 53	M/S 1.98 4.41 4.28 4.59 4.67 4.13 4.59 4.93 5.94 7.31 8.85 8.24 4.91 2.25 2.22	MEAN 45 M/S 3.35 7.23 6.88 6.96 6.84 6.86 6.30 6.37 6.81 7.53 8.73 10.23 12.04 13.61 13.49 11.41 12.15 14.53 15.97 17.15 18.85	5.0. MS M/S 1.78 4.57 4.45 4.09 3.85 4.09 3.61 3.59 3.66 3.75 5.86 6.87 7.36 6.17 4.71 3.79 4.39 5.06	.95 1.65 1.91 1.34 1.54 1.64 1.66 1.93 .99 .72 .50 .82 .89 .89 .99 .41 .22 .31	398. 425. 425. 425. 425. 425. 426. 427. 417. 417. 417. 417. 419. 392. 359. 359. 359. 359.
STATION Z MM .1111 1.000 2.000 3.000 4.000 5.000 6.000 7.000 8.000 10.000 11.000 12.000 15.000 15.000 15.000 16.000 17.000 19.000 20.000 21.000 21.000	912170 MEAN U M/S -1.40 -2.08 -2.18 -2.85 -3.06 -3.03 -3.01 -2.87 -2.66 -2.69 -2.69 -2.69 -11.50 -14.29 -15.80 -16.99 -18.71	TAGUAC S.D. U M/S 2.81 6.71 6.38 5.93 5.36 5.43 5.29 5.20 5.33 5.66 6.25 7.30 8.17 9.05 9.84 9.77 6.98 4.77 3.82 3.80 4.41 5.09	R(U,V) .2512 .3023 .3229 .2657 .2616 .2671 .1971 .1933 .2211 .2351 .2686 .3018 .2994 .2964 .3106 .2992 .2070 .2633 .0601 .0760 .015005440426	MEAN V M/S .80 2.13 1.82 1.77 1.75 1.58 1.18 .72 .39 -19 -199 -1.79 -3.28 -4.90 -6.13 -5.93 -3.96 -2.58 -1.27 75 53 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 59 -	M/S 1.98 1.41 1.28 1.67 1.67 1.59 1.59 1.67 1.25 1.87 1.87 1.87 1.87 1.87 1.87 1.87 1.87	MEAN 45 M/S 3.35 7.23 6.88 6.96 6.84 6.86 6.30 6.37 6.81 7.53 10.23 12.04 13.61 13.49 11.41 12.15 14.53 15.97 17.15 18.85 20.13	5.0. MS M/S 1.78 4.57 4.45 4.04 3.85 4.09 3.61 3.59 3.66 3.82 4.75 5.86 6.87 7.36 6.17 4.71 3.79 3.79 4.71 5.06 5.88	.95 1.65 1.91 1.34 1.54 1.69 1.69 1.69 1.69 1.69 1.70 1.69 1.80 1.80 1.80 1.80 1.80 1.80 1.80 1.80	398. 425. 425. 425. 425. 425. 422. 421. 417. 417. 417. 417. 415. 409. 359. 359. 359. 359.
X KM .111 1 .000 2 .000 3 .000 4 .000 5 .000 6 .000 9 .000 11 .000 12 .000 15 .000 15 .000 15 .000 17 .000 18 .000 19 .000 20 .000 21 .000 22 .000 23 .000 24 .000 24 .000	912170 MEAN U M/S -1.40 -2.08 -2.19 -2.85 -3.06 -3.03 -3.01 -2.66 -2.59 -2.64 -2.66 -2.87 -3.02 -3.72 -5.90 -8.94 -11.50 -16.99 -18.71 -19.98 -22.21	TAGUAC S.D. U M/S 2.81 6.71 6.38 5.93 5.36 5.43 5.29 5.20 5.33 5.66 6.25 7.30 8.17 9.05 9.84 9.77 6.98 4.77 3.82 3.80 4.41 5.09 5.93	R(U,V) .2512 .3023 .3229 .2657 .2616 .2671 .1971 .1933 .2211 .2351 .2686 .3018 .2994 .3106 .2902 .2070 .2633 .0601 .0760 .01500544	MEAN V M/S .80 2.13 1.82 1.77 1.75 1.58 1.18 .72 .39 19 19 2.88 -4.90 -6.13 -5.93 -3.96 -2.58 -1.27 76 53	M/S 1.98 4.41 4.29 4.54 4.67 4.67 4.59 4.93 5.94 9.56 8.24 4.97 2.25 2.25 2.25 2.30 2.47	MEAN 45 M/S 3.35 7.23 6.88 6.96 6.89 6.80 6.30 6.37 6.81 7.53 12.04 13.61 13.49 11.41 12.15 14.53 15.97 17.15 18.95 20.13 21.27	5.0. MS M/S 1.78 4.57 4.45 4.04 3.85 4.09 3.61 3.59 3.66 3.82 4.75 5.86 6.87 7.36 7.14 6.17 4.71 3.79 4.39 5.88 6.39	.95 1.65 1.91 1.34 1.54 1.64 1.66 .93 .99 .72 .50 .82 .89 .89 .41 .59 .41 .22 .31	398. 425. 425. 425. 425. 425. 426. 421. 417. 417. 417. 417. 417. 417. 417. 41
STATION Z MM 1111 1.000 2.000 3.000 4.000 5.000 6.000 7.000 8.000 10.000 11.000 12.000 15.000 16.000 17.000 18.000 19.000 20.000 21.000 22.000 23.000 23.000 25.000 25.000	912170 MEAN U M/S -1.40 -2.08 -2.18 -2.85 -3.06 -3.03 -3.01 -2.87 -2.66 -2.69 -2.69 -3.72 -5.90 -11.50 -14.29 -15.80 -16.99 -18.71 -19.98 -21.09	TAGUAC S.D. U M/S 2.81 6.71 6.38 5.93 5.36 5.43 5.29 5.20 5.33 5.66 6.25 7.30 9.77 9.05 9.77 6.98 4.77 3.82 3.80 4.41 5.09 5.93 6.48	R(U,V) .2512 .3023 .3229 .2657 .2616 .2671 .1971 .1933 .2211 .2351 .2686 .3018 .2994 .2964 .3106 .2902 .2070 .2633 .0601 .0760 .0150 -05544 -0426 -0232	MEAN V M/S .80 2.13 1.82 1.77 1.75 1.58 1.18 .72 .391998 -1.79 -3.28 -4.90 -6.13 -5.93 -3.58 -1.277653 -3.00 .07	M/S 1.98 1.91 1.92 1.93 1.93 1.93 1.93 1.93 1.93 1.93 1.93	MEAN MS 3.35 7.23 6.88 6.96 6.84 6.88 6.66 6.30 6.37 6.81 7.53 10.23 12.04 13.61 13.49 11.41 12.15 14.53 15.97 17.15 18.05 20.13 21.27 22.39	5.0. MS M/S 1.78 4.45 4.45 4.04 3.85 4.09 3.61 3.59 3.66 3.82 4.75 5.86 6.87 7.36 7.14 6.17 4.37 9.3.79 4.39 5.06 5.88 6.39 6.63	.95 1.65 1.91 1.34 1.59 1.64 1.26 .93 .99 .72 .50 .82 .89 .88 .74 .59 .46 .41 .22 .31 .50 .27	398. 425. 425. 425. 425. 425. 425. 421. 417. 417. 417. 417. 417. 417. 417. 41
STATION Z MM .1111 1.000 2.000 3.000 4.000 5.000 6.000 7.000 8.000 10.000 11.000 12.000 13.000 15.000 15.000 15.000 20.000 21.000 22.000 23.000 24.000 25.000 26.000 26.000 26.000	912170 MEAN U M/S -1.40 -2.08 -2.18 -2.85 -3.06 -3.03 -3.01 -2.87 -2.66 -2.69 -2.69 -2.69 -11.50 -14.29 -15.90 -16.99 -12.10 -19.98 -21.09 -22.71 -23.78 -25.14	TAGUAC S.D. U M/S 2.81 6.71 6.38 5.93 5.36 5.43 5.29 5.20 5.33 5.66 6.25 7.30 8.17 9.05 9.84 9.77 6.98 4.77 3.82 3.80 4.41 5.09 5.43 6.25 6.25 7.30 8.17 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.98 6.9	R(U,V) .2512 .3023 .3229 .2657 .2616 .2671 .1971 .1933 .2211 .2351 .2686 .3018 .2994 .3106 .2902 .2070 .2633 .0601 .0760 .0150 -0544 -0426 -02321371	MEAN V M/S .80 2.13 1.82 1.77 1.75 1.58 1.18 .72 .39 19 98 -1.79 -3.28 -4.90 -6.13 -5.93 -2.58 -1.27 76 53 00 .00 .00 .00 .00 .00 .00 .0	M/S 1.98 1.98 1.99 1.99 1.99 1.99 1.99 1.99	MEAN 45 M/S 3.35 7.23 6.88 6.96 6.89 6.80 6.30 6.37 6.81 7.53 12.04 13.61 13.49 11.41 12.15 14.53 15.97 17.15 18.95 20.13 21.27	5.0. MS M/S 1.78 4.57 4.45 4.09 3.85 4.09 3.61 3.59 3.66 3.82 4.75 5.86 6.87 7.14 6.17 4.71 3.79 4.39 5.06 6.87 6.63 6.63 6.63	.95 1.65 1.91 1.34 1.54 1.64 1.66 1.93 1.99 1.89 1.89 1.89 1.89 1.89 1.89 1.89	398. 425. 425. 425. 425. 425. 426. 427. 421. 417. 417. 417. 417. 419. 352. 352. 352. 352. 352. 352. 352. 352
STATION Z MM .111 1.000 2.000 3.000 4.000 5.000 6.000 7.000 8.000 11.000 12.000 13.000 14.000 15.000 16.000 17.000 18.000 20.000 23.000 24.000 23.000 24.000 25.000 26.000 27.000	912170 MEAN U M/S -1.40 -2.08 -2.18 -2.85 -3.06 -3.03 -3.01 -2.87 -2.56 -2.59 -2.66 -2.67 -3.02 -3.72 -5.90 -11.50 -14.29 -15.80 -16.99 -19.98 -21.09 -22.21 -23.78 -25.70	TAGUAC S.D. U M/S 2.81 6.71 6.38 5.93 5.36 5.43 5.29 5.20 5.33 5.66 6.25 7.30 8.17 9.05 9.84 9.77 6.98 4.77 3.80 4.41 5.99 6.72 6.86 6.86	R(U,V) .2512 .3023 .3229 .2657 .2616 .2671 .1971 .1933 .2211 .2351 .2686 .3018 .2994 .2964 .3106 .2994 .2964 .3106 .2902 .2070 .2633 .0601 .0760 .0150 -0544 -0426 -0232 -1371 -0738 -1852 -1502	MEAN V M/S .80 2.13 1.82 1.77 1.75 1.58 1.18 .72 .391998 -1.79 -3.28 -4.90 -6.13 -5.93 -3.96 -2.58 -1.275300 .0706	M/S 1.98 1.91 1.92 1.93 1.93 1.93 1.93 1.93 1.93 1.93 1.93	MEAN 45 M/S 3.355 7.23 6.88 6.96 6.89 6.66 6.30 6.37 7.53 8.73 10.23 12.04 13.49 11.41 12.15 14.53 15.97 17.15 18.95 20.13 21.27 22.39 23.91	5.0. MS M/S 1.78 4.57 4.45 4.04 3.85 4.09 3.61 3.59 3.66 3.75 5.86 6.87 7.36 6.17 4.71 3.79 4.39 5.06 5.88 6.39 6.63 6.64 6.79	.95 1.65 1.91 1.34 1.54 1.64 1.66 1.93 .99 .72 .50 .82 .89 .88 .74 .59 .46 .41 .22 .31 .50 .27 .32 .110305	398. 425. 425. 425. 425. 425. 426. 427. 417. 417. 417. 417. 417. 417. 417. 419. 392. 352. 334. 339. 359. 359. 359. 359. 359. 359. 359. 369. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379.
STATION Z KM .111 1 .000 2.000 3.000 4.000 5.000 6.000 7.000 8.000 10.000 11.000 12.000 13.000 14.000 15.000 16.000 17.000 18.000 19.000 20.000 21.000 23.000 24.000 25.000 26.000 27.000 28.000 28.000 28.000 28.000 28.000	912170 MEAN U M/S -1.40 -2.08 -2.18 -2.85 -3.06 -3.03 -3.01 -2.87 -2.66 -2.69 -2.66 -2.69 -11.50 -14.29 -15.80 -16.99 -18.71 -19.98 -21.09 -22.21 -23.78 -25.70 -27.72	TAGUAC S.D. U M/S 2.81 6.71 6.38 5.93 5.29 5.20 5.33 5.29 5.20 5.30 5.29 5.20 5.31 7.31 9.05 9.77 6.98 4.41 5.93 6.48 6.72 6.84 6.86 7.43	R(U,V) .2512 .3023 .3229 .2657 .2616 .2671 .1971 .1933 .2211 .2351 .2686 .3018 .2994 .2964 .3106 .2902 .2070 .2633 .0601 .0760 .0150 -05544 -0426 -0232 -1371 -0738 -1852 -1502 .0552	MEAN V M/S .80 2.13 1.82 1.77 1.75 1.58 1.18 .72 .391958 -1.79 -3.28 -4.90 -6.13 -5.93 -3.96 -2.58 -1.27765300 .07 .990611	M/S 1.98 4.41 4.29 4.59 4.59 4.59 4.59 4.59 4.93 5.94 4.91 2.25 2.25 2.30 2.47 2.36 2.57	MEAN 45 M/S 3.35 7.23 6.88 6.96 6.84 6.86 6.30 6.37 6.81 7.53 8.73 10.23 12.04 13.49 11.41 12.15 14.53 15.97 17.15 18.85 20.13 21.27 22.39 23.91 25.29	5.0. MS M/S 1.78 4.57 4.45 4.04 3.85 4.09 3.61 3.59 3.66 3.82 4.75 5.86 6.87 7.36 6.17 4.71 3.79 4.79 5.06 6.39 6.63 6.67 6.79	.95 1.65 1.91 1.34 1.54 1.64 1.66 .93 .99 .72 .50 .82 .89 .74 .59 .46 .41 .22 .31 .50 .27 .32 .1103030516	398. 425. 424. 425. 425. 426. 427. 417. 417. 417. 417. 417. 417. 417. 417. 418. 421. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431. 431.
STATION Z MM .111 1.000 2.000 3.000 4.000 5.000 6.000 7.000 8.000 11.000 12.000 13.000 14.000 15.000 16.000 17.000 18.000 20.000 23.000 24.000 23.000 24.000 25.000 26.000 27.000	912170 MEAN U M/S -1.40 -2.08 -2.18 -2.85 -3.06 -3.03 -3.01 -2.87 -2.56 -2.59 -2.66 -2.67 -3.02 -3.72 -5.90 -11.50 -14.29 -15.80 -16.99 -19.98 -21.09 -22.21 -23.78 -25.70	TAGUAC S.D. U M/S 2.81 6.71 6.38 5.93 5.36 5.43 5.29 5.20 5.33 5.66 6.25 7.30 8.17 9.05 9.84 9.77 6.98 4.77 3.80 4.41 5.99 6.72 6.86 6.86	R(U,V) .2512 .3023 .3229 .2657 .2616 .2671 .1971 .1933 .2211 .2351 .2686 .3018 .2994 .2964 .3106 .2994 .2964 .3106 .2902 .2070 .2633 .0601 .0760 .0150 -0544 -0426 -0232 -1371 -0738 -1852 -1502	MEAN V M/S .80 2.13 1.82 1.77 1.75 1.58 1.18 .72 .39191919179 -3.28 -4.90 -6.13 -5.93 -3.96 -2.58 -1.27765323 .00 .07 .090611 .08	M/S 1.98 1.98 1.29 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20	MEAN 45 M/S 3.35 7.23 6.88 6.96 6.84 6.86 6.30 6.37 6.81 7.53 10.23 12.04 13.61 13.49 11.41 12.15 14.53 15.97 17.15 18.85 20.13 21.27 22.39 23.29 25.29 26.87	5.0. MS M/S 1.78 4.57 4.45 4.04 3.85 4.09 3.61 3.59 3.66 3.75 5.86 6.87 7.36 6.17 4.71 3.79 4.39 5.06 5.88 6.39 6.63 6.64 6.79	.95 1.65 1.91 1.34 1.54 1.64 1.66 1.93 .99 .72 .50 .82 .89 .88 .74 .59 .46 .41 .22 .31 .50 .27 .32 .110305	398. 425. 425. 425. 425. 425. 426. 427. 417. 417. 417. 417. 417. 417. 417. 419. 392. 352. 334. 339. 359. 359. 359. 359. 359. 359. 359. 369. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379. 379.

TABLE	1. 9		STICAL P	ARAMETERS.		SI	EPTEMBER		
	912170	TAGUAC	504.44						
Z KM	MEAN U M/S	S.D. U	R(U,V)	MEAN V	5.D. V	MEAN HS	5.D. W5	skeh Ws	NOBS
.111	~1.47	M/S 2.83	.1470	H/S	M/S 1.87	M/S	M/S		700
1.000	-2.78	6. <i>2</i> 5	.1788	. 30 1 . 04	3.98	3.26 6.90	1.78 4.01	. 59 1.21	389. 407.
2.000	-3.03	5.77	.2384	.90	3.64	6.41	3.91	1.71	407.
3.000	-3.78	5.57	.2117	.89	3.60	5.79	3.68	1.02	408.
4.000	+3.95	5.68	1555	.89	3.89	7.02	3.79	.95	409.
5.000	-3.91	5.70	.2985	. 90	3.32	6.96	3.91	1.24	409.
6.000	-3 96	5.54	.3450	.63	4.03	6.91	3.90	1.05	408.
7.000	~3.57	5.15	.3292	. 37	4.00	6.50	3.61	1.15	408.
9 CO0	-3.25	5.21	1622.	. 12	4.18	6.46	3.66	1.10	40B.
9.000	-2.74	5 .27	.1562	16	4.82	6.63	3.81	1.14	40E.
10.000	-2.33	5.62	.1557	52	5.20	7.04	3.84	.98	406.
11.000	-2.00	6.45	.1167	77	6.12	8.00	4.41	.83	405.
12.000 13.000	~1.83	7.40	8453.	-1.33	7.12	9.32	4.88	.83	404.
1 (060	-1.81 -2.61	8.44 9.08	0249 0170	-1.86 -2.42	7.89	10.60	5.24	.65	398.
15.000	-5.09	8.68	.1344	-2.74	6.92	11.27 10.69	5.83 6.49	.71	3 97.
16.600	-8.34	6.51	.1489	-2.26	4.15	9.98	5.88	1.25 1.06	330. 364.
17.020	-10.42	4.29	.0699	-1.46	2.70	10.90	4.18	.50	335.
18,000	-12.06	3.27	.0412	69	2.26	15.30	3.24	.12	334.
19.000	-13.32	3.72	.0677	47	2.06	13.50	3.69	.25	329.
20.000	-14,44	4.42	.026 8	20	2.06	14.60	4.38	. 18	324.
P1.000	-15.98	5.14	0022	02	2 2 2	16.14	5.12	.07	316
ē∂. 69 0	-17.68	5.87	0727	.23	2.12	17.83	5.82	.12	303.
≥3.00 0	-19.03	6.18	0761	.28	2.31	19.19	6.13	.07	303.
2+.000	-20.23	6.47	- • 0902	. 13	2.57	20.42	6.38	-11	297.
25.00 0	-21.96	7.03	.0244	. 02	2.19	22.08	6.99	.10	2 91.
76.000	-22.91	7.42	.0279	.00	2.64	23.10	7.32	22	275.
27.00 0	-24.56	8.06	.0322	08	2.82	24.75	7.96	40	257.
89 00 0 86 90 0	-25. 88 -25. 5 7	8.21	.0723	, 31	2.83	26.08	B.06	~.60	238.
30.00 0	-25.57 -27.93	8.44 8.64	.1139 .0134	. 78	2.5	26.7 8	8.31	- 60	216.
557.000	2.7.53	0.64	10134	.46	3.55	15.85	8.71	55	145.
TABLE	1. 10		ISTICAL P	ARAMETERS.		O	CTOBER		
STATION	- 912170	TAGUAC			5 D V				
STATION Z	= 912170 MEAN U	TAGUAC S.D. U	ISTICAL P	MEAN V	S.D. V	MEAN WS	S.D. WS	skeh hs	NOBS
STATION Z KM	= 912170 MEAN U M/S	TAGUAC S.D. U M/S	R(U,V)	MEAN V M/S	M/S	MEAN WS M/S	S.D. WS M/S		
STATION Z KM .111	= 912170 MEAN U M/S -2.94	TAGUAC S.D. U M/S 2.78	R(U,V)	MEAN V M/S	M/S 1.98	MEAN WS M/S 4.05	S.D. WS M/S 1.98	2.08	380.
STATION Z KM	= 912170 MEAN U M/S -2.94 -6.00	TAGUAC S.D. U M/S 2.78 6.24	.1680 .0698	MEAN V M/S .22	M/S 1.98 4. <i>2</i> 4	MEAN WS M/S 4.05 8.72	S.D. WS M/S 1.98 4.29	2.0 8 .83	380. 417.
STATION Z KM .111 1.000	= 912170 MEAN U M/S -2.94	TAGUAC S.D. U M/S 2.78 6.24 5.68	.1680 .0698 .0623	MEAN V M/S .22 1,26 1,02	M/S 1.98 4.24 3.85	MEAN WS M/S 4.05 8.72 7.89	S.D. WS M/S 1.98 4.29 3.99	2.08 .83 1.07	380. 417. 418.
STATION Z KM .111 1.000 2.000	= 912170 MEAN U M/S -2.94 -6.00 -5.48	TAGUAC S.D. U M/S 2.78 6.24	.1680 .0698 .0623 .0727	MEAN V M/S .22 1.26 1.02	M/S 1.98 4.24 3.85 4.19	MEAN WS M/S 4.05 8.72 7.89 8.25	S.D. WS M/S 1.98 4.29 3.99 4.21	2.08 .83 1.07 .95	380. 417. 418. 418.
STATION Z KM .111 1.000 2.000 3.000	= 912170 MEAN U M/S -2.94 -6.00 -5.48 -5.88	TAGUAC S.D. U M/S 2.78 6.24 5.68 5.71	.1680 .0698 .0623	MEAN V M/S .22 1,26 1,02	M/S 1.98 4.24 3.85	MEAN WS M/S 4.05 8.72 7.89 8.25 8.24	S.D. WS M/S 1.98 4.29 3.99 4.21 4.47	2.08 .83 1.07 .95 .88	380. 417. 418. 418.
STATION Z KM .111 1.000 2.000 3.000 4.000 5.000 6.000	= 912170 MEAN U M/S -2.94 -6.00 -5.48 -5.89 -5.89 -5.91 -5.78	TAGUAC S.D. U M/S 2.78 6.24 5.68 5.71 5.79 5.92 5.90	.1680 .0698 .0623 .0727	MEAN V M/S .22 1.26 1.02 1.08 .76	M/S 1.98 4.24 3.85 4.19 4.37	MEAN WS M/S 4.05 8.72 7.89 8.25	S.D. WS M/S 1.98 4.29 3.99 4.21 4.47 4.55	2.08 .83 1.07 .95 .88	380. 417. 418. 418. 419.
STATION Z KM .111 1.000 2.000 3.000 4.000 5.000 6.000 7.000	= 912170 MEAN U M/S -2.94 -6.00 -5.48 -5.89 -5.89 -5.79 -5.76 -5.05	TAGUAC S.D. U M/S 2.78 6.24 5.68 5.71 5.79 5.92	R(U,V) -1680 -0698 -0623 -0727 -0655 -0570	MEAN V M/S .22 1.26 1.02 1.08 .76 .55 .48	M/S 1.98 4.24 3.85 4.19 4.37 4.58	MEAN WS M/S 4.05 8.72 7.89 8.25 8.24	S.D. WS M/S 1.98 4.29 3.99 4.21 4.47	2.08 .83 1.07 .95 .88 .89	380. 417. 418. 418. 419. 419.
STATION Z KM .111 1.000 2.000 3.000 4.000 5.000 6.000 7.000 8.000	= 912170 MEAN U M/S -2.94 -5.48 -5.89 -5.91 -5.78 -5.05 -4.19	TAGUAC S.D. U M/S 2.78 6.24 5.68 5.71 5.79 5.92 5.90 5.91 6.02	R(U.V) .1680 .0698 .0623 .0727 .0555 .0570 .0797 .1575	MEAN V M/S .22 1.26 1.02 1.08 .76 .55 .48 .31	M/S 1.98 4.24 3.85 4.19 4.37 4.58 4.56 4.67 4.64	MEAN WS M/5 4.05 8.72 7.89 8.25 6.24 8.40 8.37 7.89 7.56	S.D. WS M/S 1.98 4.29 3.99 4.21 4.47 4.55 4.38 4.26	2.08 .83 1.07 .95 .88	380. 417. 418. 418. 419.
STATION Z KM .111 1.000 2.000 3.000 4.000 5.000 6.000 6.000 9.000	= 912170 MEAN U M/S -2.94 -6.00 -5.48 -5.89 -5.91 -5.79 -5.05 -4.19 -2.88	TAGUAC S.D. U M/S 2.78 6.24 5.68 5.71 5.79 5.92 5.90 5.91 6.02 6.39	R(U.V) .1680 .0698 .0623 .0727 .0655 .0570 .0797 .1575 .1740	MEAN V M/S .22 1.26 1.02 1.08 .76 .55 .48 .31 .12	M/S 1.98 4.24 3.85 4.19 4.58 4.56 4.67 4.64 5.24	MEAN WS M/S 4.05 8.72 7.89 8.25 8.24 8.40 8.37 7.56 7.68	S.D. WS M/S 1.98 4.29 4.21 4.47 4.55 4.36 4.26 4.20	2.08 .83 1.07 .95 .88 .89 .78	380. 417. 418. 418. 419. 419. 419.
STATION Z KM .111 1.000 2.000 3.000 4.000 5.000 6.000 7.000 8.000 9.000 10.000	= 912170 MEAN U M/S -2.94 -6.00 -5.48 -5.89 -5.791 -5.76 -4.19 -2.88 -1.76	TAGUAC S.D. U M/S 2.78 6.24 5.68 5.71 5.79 5.92 5.90 5.91 6.02 6.39 6.89	R(U.V) .1680 .0698 .0623 .0727 .0655 .0570 .0797 .1575 .1740 .1721	MEAN V M/S .22 1.26 1.02 1.08 .76 .55 .48 .31 .12	M/S 1.98 4.24 3.85 4.19 4.37 4.56 4.66 4.67 4.64 6.11	MEAN WS M/S 4.05 8.72 7.89 8.25 8.24 8.40 8.37 7.89 7.68 8.34	S.D. WS M/S 1.98 4.29 3.99 4.21 4.47 4.55 4.38 4.46 4.20 4.30	2.08 .83 1.07 .95 .89 .78 .95 .83 .97	380. 417. 418. 418. 419. 419. 419.
STATION Z KM .111 1.000 2.000 3.000 4.000 5.000 6.000 7.000 8.000 9.000 10.000 11.000	= 912170 MEAN U M/S -2.94 -6.00 -5.48 -5.89 -5.89 -5.78 -5.78 -2.88 -1.76 87	TAGUAC S.D. U M/S 2.78 6.24 5.68 5.71 5.79 5.92 5.90 5.91 6.02 6.39 6.89 8.06	R(U.V) .1680 .0698 .0623 .0727 .0655 .0570 .0797 .1575 .1740 .1721 .1685 .1906	MEAN V M/S .22 1.26 1.08 1.08 .76 .55 .48 .31 .12 .32 .52	M/S 1.98 4.24 3.85 4.19 4.56 4.56 4.67 4.64 5.21 7.28	MEAN WS M/5 4.05 8.72 7.89 8.25 8.24 8.37 7.89 7.56 7.68 9.54	S.D. WS M/S 1.98 4.29 3.99 4.21 4.47 4.55 4.46 4.26 4.20 5.28	2.08 .83 1.07 .95 .88 .89 .78 .95 .83 .97	380. 417. 418. 419. 419. 419. 417. 414. 413. 410.
STATION Z KM .111 1.000 2.000 3.000 4.000 5.000 6.000 7.000 8.000 9.000 10.000 11.000 12.000	= 912170 MEAN U M/S -2.94 -6.00 -5.48 -5.89 -5.91 -5.78 -5.05 -4.19 -2.88 -1.76 87	TAGUAC S.D. U M/S 2.78 6.24 5.68 5.71 5.79 5.92 5.90 5.91 6.02 6.39 6.89 8.06 8.82	R(U.V) .1680 .0698 .0623 .0727 .0655 .0570 .0797 .1575 .1740 .1721 .1685 .1906	MEAN V M/S .22 1.26 1.02 1.08 .76 .55 .48 .31 .12 .32 .52 .50	M/S 1.98 4.24 3.85 4.19 4.58 4.56 4.67 4.64 5.24 6.11 7.28 8.11	MEAN WS M/5 4.05 8.72 7.89 8.25 6.40 8.37 7.56 7.68 8.34 10.52	S.D. WS M/S 1.98 4.29 3.99 4.21 4.47 4.55 4.38 4.46 4.20 4.30 5.72	2.08 .83 1.07 .95 .88 .89 .78 .95 .83 .97 .81	380. 417. 418. 418. 419. 419. 417. 414. 413. 410. 410.
STATION Z KM .111 1.000 2.000 3.000 4.000 5.000 6.000 7.000 8.000 9.000 10.000 11.000 12.000 13.000	= 912170 MEAN U M/S -2.94 -5.48 -5.89 -5.91 -5.78 -5.05 -4.19 -2.88 -1.76 87	TAGUAC S.D. U M/S 2.78 6.24 5.68 5.71 5.79 5.92 5.90 6.02 6.39 6.89 8.06 8.82 9.41	R(U.V) .1680 .0698 .0623 .0727 .0655 .0570 .0797 .1575 .1740 .1721 .1685 .1906 .1530 .0987	MEAN V M/S .22 1.26 1.02 1.08 .76 .55 .48 .31 .12 .32 .52 .90	M/S 1.98 4.24 3.85 4.19 4.37 4.58 4.56 4.64 5.24 6.11 7.28 8.11	MEAN WS M/5 4.05 8.72 7.89 8.25 8.40 8.37 7.56 7.68 8.34 9.54 10.52	S.D. WS M/S 1.98 4.29 3.99 4.21 4.55 4.55 4.58 4.26 4.20 4.30 5.72 6.15	2.08 .83 1.07 .95 .88 .89 .76 .95 .83 .97 .81 .79	380. 417. 418. 418. 419. 419. 419. 4117. 414. 413. 410. 409. 408.
STATION Z KM .111 1.000 2.000 3.000 4.000 5.000 6.000 7.000 6.000 9.000 10.000 11.000 12.000 13.000 14.000	= 912170 MEAN U M/S -2.94 -6.00 -5.48 -5.89 -5.91 -5.78 -5.05 -4.19 -2.88 -1.76 87 .04 .03 -1.12	TAGUAC S.D. U M/S 2.78 6.24 5.68 5.71 5.79 5.92 5.90 6.02 6.39 6.89 8.06 8.82 9.41 9.16	R(U.V) .1680 .0698 .0623 .0727 .0655 .0570 .0797 .1575 .1740 .1721 .1685 .1906 .1530 .0987	MEAN V M/S .22 1.26 1.02 1.08 .76 .55 .48 .31 .12 .32 .52 .40 .09 ~.61 -1.56	M/S 1.98 4.24 3.85 4.37 4.58 4.56 4.64 5.24 6.11 7.28 8.14 8.22	MEAN WS M/S 4.05 8.72 7.89 8.25 8.24 8.40 7.56 7.68 8.34 9.54 10.52 11.05	S.D. WS M/S 1.98 4.29 3.99 4.21 4.47 4.55 4.36 4.26 4.30 5.28 5.72 6.15 6.33	2.08 .83 1.07 .95 .88 .89 .78 .95 .83 .97 .81 .79 .90	380. 417. 418. 418. 419. 419. 417. 414. 413. 410. 410. 409. 406.
STATION Z KM .111 1.000 2.000 3.000 4.000 5.000 6.000 7.000 8.000 9.000 10.000 11.000 12.000 13.000 14.000 15.000	= 912170 MEAN U M/S -2.94 -6.00 -5.48 -5.89 -5.91 -5.70 -5.05 -4.19 -2.88 -1.7687 .04 -0.3 -1.12 -4.61	TAGUAC S.D. U M/S 2.78 6.24 5.68 5.71 5.79 5.92 5.90 6.02 6.39 6.89 6.89 8.06 8.82 9.16 8.49	R(U.V) .1680 .0698 .0623 .0727 .0655 .0570 .0797 .1575 .1740 .1721 .1685 .1906 .1530 .0987 .0963 .1118	MEAN V M/S .22 1.26 1.02 1.08 .76 .55 .48 .31 .12 .52 .40 .09 ~61 ~1.56 ~2.58	M/S 1.98 4.24 3.85 4.37 4.56 4.56 4.67 4.64 5.24 6.11 8.22 6.77	MEAN WS M/S 4.05 8.72 7.89 8.25 8.24 8.40 8.37 7.56 7.68 8.34 9.54 10.52 11.05 10.71	S.D. HS M/S 1.98 4.29 3.21 4.47 4.55 4.36 4.26 4.20 5.72 6.15 6.33 6.53	2.08 .83 1.07 .95 .89 .78 .95 .83 .97 .81 .79 .90	380. 417. 418. 418. 419. 419. 417. 414. 413. 410. 410. 400.
STATION Z KM .111 1.000 2.000 3.000 4.000 5.000 6.000 7.000 8.000 9.000 11.000 12.000 13.000 14.000 15.000 15.000	= 912170 MEAN U M/S -2.94 -6.00 -5.48 -5.89 -5.78 -5.79 -2.88 -1.7687 .04 .03 -1.12 -4.61 -8.36	TAGUAC S.D. U M/S 2.78 6.24 5.68 5.71 5.79 5.92 5.90 5.91 6.02 6.39 6.89 8.06 8.82 9.41 9.16 8.49 7.07	R(U,V) .1680 .0698 .0623 .0727 .0655 .0570 .0797 .1575 .1740 .1721 .1685 .1906 .1530 .0987 .0963 .1118	MEAN V M/S .22 1.26 1.08 1.08 .76 .55 .48 .31 .12 .32 .52 .40 .09 61 -1.56 -2.58 -2.56	M/S 1.98 4.24 3.85 4.37 4.56 4.56 4.67 4.64 5.24 6.11 8.44 8.11 8.42 6.77 5.20	MEAN WS M/5 4.05 8.72 7.89 8.25 8.24 8.37 7.56 7.68 8.34 9.54 10.52 11.05 10.71 10.66	S.D. WS M/S 1.98 4.29 3.99 4.21 4.47 4.55 4.46 4.26 4.26 4.26 4.26 5.28 5.72 6.15 6.33 6.32	2.08 .83 1.07 .95 .89 .78 .95 .83 .97 .91 .99 1.03 1.16	380. 417. 418. 418. 419. 419. 417. 414. 413. 410. 409. 409. 409. 369.
STATION Z KM .111 1.000 2.000 3.000 4.000 5.000 6.000 7.000 8.000 9.000 10.000 11.000 12.000 13.000 14.000 15.000	= 912170 MEAN U M/S -2.94 -6.00 -5.48 -5.89 -5.91 -5.70 -5.05 -4.19 -2.88 -1.7687 .04 -0.3 -1.12 -4.61	TAGUAC S.D. U M/S 2.78 6.24 5.68 5.71 5.79 5.92 5.90 6.02 6.39 6.89 6.89 8.06 8.82 9.16 8.49	R(U.V) .1680 .0698 .0623 .0727 .0655 .0570 .0797 .1575 .1740 .1721 .1685 .1906 .1530 .0987 .0963 .11180103 .0212	MEAN V M/S .22 1.26 1.02 1.08 .76 .55 .48 .31 .12 .32 .52 .99 61 -1.58 -2.56 -2.17	M/S 1.98 4.24 3.85 4.19 4.56 4.56 4.64 5.21 7.28 8.11 8.42 6.27 5.20 3.64	MEAN WS M/5 4.05 8.72 7.89 8.25 6.40 8.37 7.56 7.68 8.34 9.54 10.52 11.05 10.71 10.166 10.03	S.D. WS M/S 1.98 4.29 3.99 4.21 4.47 4.55 4.38 4.46 4.20 4.30 5.72 6.15 6.33 6.33 6.33 5.72	2.08 .83 1.07 .95 .88 .89 .78 .95 .83 .97 .81 .79 .90 .99 1.03 1.16	380. 417. 418. 419. 419. 419. 417. 414. 410. 400. 400. 369. 320.
STATION Z KM .111 1.000 2.000 3.000 4.000 5.000 6.000 7.000 8.000 9.000 11.000 12.000 13.000 14.000 15.000 15.000 17.000	= 912170 MEAN U M/S -2.94 -6.00 -5.48 -5.89 -5.91 -5.78 -5.05 -4.19 -2.88 -1.7687 .04 .03 -1.12 -4.61 -8.35 -9.89	TAGUAC S.D. U M/S 2.78 6.24 5.68 5.71 5.79 5.90 5.91 6.02 6.39 6.05 8.82 9.41 9.16 8.49 7.07 5.31	R(U.V) .1680 .0698 .0623 .0727 .0655 .0570 .0797 .1575 .1740 .1721 .1685 .1906 .1530 .0987 .0963 .1118 -0103 .0212	MEAN V M/S .22 1.26 1.08 .76 .55 .48 .31 .12 .32 .52 .40 .09 61 -1.56 -2.58 -2.56 -2.57	M/S 1.98 4.24 3.85 4.19 4.58 4.56 4.56 4.64 5.24 6.11 8.42 6.77 5.26 4.22	MEAN WS M/5 4.05 8.72 7.89 8.25 6.24 8.40 8.37 7.56 7.68 8.34 10.52 11.05 10.17 10.66 10.66	S.D. WS M/S 1.98 4.29 3.99 4.21 4.55 4.38 4.26 4.20 4.30 5.72 6.33 6.53 5.17 4.15	2.08 .83 1.07 .95 .88 .89 .78 .95 .83 .97 .81 .79 .90 .99 1.03 1.16 .91	380. 417. 418. 419. 419. 419. 419. 417. 414. 410. 410. 409. 409. 400. 369. 320.
STATION Z KM .111 1.000 2.000 3.000 4.000 5.000 6.000 7.000 8.000 10.000 11.000 12.000 13.000 14.000 15.000 15.000 15.000 15.000 15.000 15.000 15.000	= 912170 MEAN U M/S -2.94 -6.00 -5.48 -5.89 -5.78 -5.05 -4.19 -2.88 -1.76870412 -4.61 -8.35 -9.89 -10.38 -11.61	TAGUAC S.D. U M/S 2.78 6.24 5.68 5.71 5.79 5.92 5.90 6.02 6.39 6.89 6.89 8.82 9.41 9.16 8.49 7.07 5.31 4.26	R(U.V) .1680 .0698 .0623 .0727 .0655 .0570 .0797 .1575 .1740 .1721 .1685 .1906 .1530 .0987 .0963 .11180103 .0212	MEAN V M/S .22 1.26 1.02 1.08 .76 .55 .48 .31 .12 .32 .52 .99 61 -1.58 -2.56 -2.17	M/S 1.98 4.24 3.85 4.19 4.56 4.56 4.64 5.21 7.28 8.11 8.42 6.27 5.20 3.64	MEAN WS M/5 4.05 8.72 7.89 8.25 6.40 8.37 7.56 7.68 8.34 9.54 10.52 11.05 10.71 10.166 10.03	S.D. WS M/S 1.98 4.29 4.27 4.58 4.20 4.30 5.72 6.33 6.33 6.32 5.15 4.34	2.08 .83 1.07 .95 .88 .89 .78 .95 .83 .97 .81 .79 .90 .99 1.03 1.16 .91	380. 417. 418. 419. 419. 419. 417. 413. 410. 410. 409. 406. 409. 369. 320. 310.
STATION Z KM .111 1.000 2.000 3.000 4.000 5.000 6.000 7.000 8.000 9.000 11.000 12.000 13.000 15.000 15.000 15.000 17.000 18.000 19.000 19.000 20.000 21.000	= 912170 MEAN U M/S -2.94 -6.00 -5.48 -5.89 -5.78 -5.79 -5.05 -4.19 -2.88 -1.76 -87 -9.89 -10.35 -9.89 -10.35 -11.61 -13.08	TAGUAC S.D. U M/S 2.78 6.24 5.68 5.71 5.79 5.90 5.91 6.02 6.39 6.89 8.82 9.41 9.16 8.49 7.07 5.31 4.55 5.14 6.09	R(U.V) .1680 .0698 .0623 .0727 .0655 .0570 .0797 .1575 .1740 .1721 .1685 .1906 .1530 .0987 .0963 .1118 -0103 .0212 .00061178	MEAN V M/S .22 1.26 1.08 .76 .55 .48 .31 .12 .32 .52 .40 .09 61 -1.56 -2.58 -2.56 -2.57	M/S 1.98 4.24 3.19 4.56 4.56 4.56 4.56 4.56 6.11 8.27 5.64 8.27 5.64 8.27 5.64 8.22 6.77	MEAN WS M/S 4.05 8.72 7.89 8.25 8.24 8.40 8.37 7.56 7.68 8.34 9.54 10.52 11.05 10.71 10.66 10.83 10.74	S.D. WS M/S 1.98 4.29 3.99 4.21 4.55 4.38 4.26 4.20 4.30 5.72 6.33 6.53 5.17 4.15	2.08 .83 1.07 .95 .88 .89 .78 .95 .83 .97 .81 .79 .90 .99 1.03 1.16 .91 .56	380. 417. 418. 418. 419. 419. 417. 414. 413. 410. 409. 406. 409. 369. 320. 318. 310.
STATION Z KM .111 1.000 2.000 3.000 4.000 5.000 6.000 7.000 8.000 11.000 12.000 13.000 14.000 15.000 15.000 17.000 18.000 19.000 20.000 21.000 22.000	= 912170 MEAN U M/S -2.94 -6.00 -5.48 -5.89 -5.91 -5.78 -5.05 -4.19 -2.88 -1.7687 .04 .03 -1.12 -4.61 -8.35 -9.89 -10.36 -10.38 -11.61 -13.08 -14.48	TAGUAC S.D. U M/S 2.78 5.68 5.71 5.79 5.90 5.91 6.39 6.39 6.82 9.41 9.16 8.92 9.41 9.16 8.92 9.41 9.16 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.09 6.0	R(U.V) .1680 .0698 .0623 .0727 .0655 .0570 .0797 .1575 .1740 .1721 .1685 .1906 .1530 .0987 .0963 .1118 -0103 .0212 .0006117809690947 .0959	MEAN V M/S .22 1.26 1.08 .76 .55 .48 .31 .32 .52 .40 .61 -1.56 -2.56 -2.57 -2.58 -2.17	M/S 1.98 4.35 3.89 4.35 4.56 4.56 4.56 4.56 6.11 8.27 5.64 4.6 6.77 5.64 4.6 6.77 5.6 4.2 6.77 5.6 6.77	MEAN WS M/5 4.05 8.72 7.89 8.25 8.24 8.37 7.89 7.56 7.68 9.54 10.52 11.05 10.17 10.66 10.83 10.74 10.72	S.D. HS M/S 1.98 3.99 4.47 4.55 4.38 4.26 4.20 5.72 6.15 6.33 6.32 5.17 4.13 5.03	2.08 .83 1.07 .95 .88 .89 .78 .95 .83 .97 .81 .79 .90 .99 1.03 1.16 .91	380. 417. 418. 419. 419. 419. 417. 414. 410. 410. 409. 406. 409. 369. 320. 310.
STATION Z KM .111 1.000 2.000 3.000 4.000 5.000 5.000 6.000 7.000 8.000 11.000 12.000 13.000 14.000 15.000 17.000 18.000 19.000 20.000 20.000 20.000 23.000 23.000	912170 MEAN U M/S -2.94 -6.00 -5.48 -5.89 -5.91 -5.78 -5.05 -4.19 -2.88 -1.7687 .03 -1.12 -4.61 -8.35 -9.89 -10.36 -10.38 -11.61 -13.08 -15.63	TAGUAC S.D. W/S 2.78 6.24 5.68 5.71 5.92 5.90 6.02 6.39 6.82 9.41 6.82 9.41 6.62 7.07 5.14 6.62 7.25	R(U.V) .1680 .0698 .0623 .0727 .0655 .0570 .0797 .1575 .1740 .1721 .1685 .1906 .1530 .0987 .0963 .1118 -0103 .0212 .0006117809690947 .01591272	MEAN V M/S .22 1.26 1.08 .76 .55 .48 .31 .32 .50 -1.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.55 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56 -2.56	M/S 1.98 4.245 3.19 4.56 4.56 4.56 4.56 4.66 4.21 8.42 7.26 4.46 6.15 3.29 2.07	MEAN WS M/5 4.05 8.72 7.89 8.25 8.24 8.40 8.37 7.68 8.34 9.54 10.52 11.05 10.71 10.66 10.83 10.74 11.86 13.30	S.D. HS M/S 1.99 3.99 4.21 4.55 4.30 5.28 5.72 6.15 6.33 6.32 5.17 4.15 4.30 5.29 5.29	2.08 .83 1.07 .95 .89 .78 .95 .83 .97 .91 .79 .90 .99 1.03 1.16 .91 .56	380. 417. 418. 419. 419. 419. 419. 410. 410. 410. 400. 369. 369. 310. 310. 303. 293.
STATION Z KM .111 1.000 2.000 3.000 4.000 5.000 6.000 9.000 10.000 12.000 12.000 13.000 14.000 15.000 15.000 15.000 16.000 17.000 18.000 19.000 20.000 21.000 22.000 23.000 24.000	912170 MEAN U M/S -2.94 -5.48 -5.89 -5.91 -5.78 -5.05 -4.19 -2.88 -1.76787 -0.35 -1.12 -4.61 -9.36 -10.38 -11.61 -13.08 -14.63 -16.69	TAGUAC S.D. U M/S 2.78 6.24 5.68 5.71 5.92 5.90 6.02 6.39 6.08 8.82 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.25 5.14 6.02 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.16 9.1	R(U.V) .1680 .0698 .0623 .0727 .0655 .0570 .0797 .1575 .1740 .1721 .1685 .1906 .1530 .0987 .0963 .1118 -0103 .0212 .0006117809690947 .0159	MEAN V M/S .22 1.26 1.08 .76 .55 .48 .31 .12 .32 .50 .99 61 -1.56 -2.58 -2.56 -2.57 98 -2.17	M/S 1.98 4.245 3.197 4.556 7.28 4.567 6.114 8.277 6.15 3.297 2.15 2.207 2.51	MEAN WS M/5 4.05 8.25 6.24 8.40 8.37 7.89 7.56 7.68 8.34 9.54 10.52 11.05 10.71 10.66 10.83 10.74 11.86 13.30 14.76	S.D. WS M/S 1.989 3.99 4.21 4.55 4.20 4.20 4.20 4.38 5.72 6.33 6.33 5.17 4.34 5.95 6.33 5.95 6.40	2.08 .83 1.07 .95 .88 .89 .78 .95 .83 .97 .90 .99 1.03 1.16 .91 .56 .30 .12	380. 417. 418. 419. 419. 419. 419. 410. 409. 409. 409. 369. 369. 310. 303. 293. 288.
STATION Z KM .111 1.000 2.000 3.000 4.000 5.000 6.000 7.000 8.000 10.000 11.000 12.000 13.000 15.000 15.000 15.000 15.000 15.000 25.000 23.000 23.000 24.000 25.000 25.000	= 912170 MEAN U M/S -2.94 -5.89 -5.89 -5.78 -5.05 -4.19 -2.88 -1.76 -9.89 -10.36 -9.89 -10.36 -13.08 -14.48 -15.69 -17.81	TAGUAC S.D. U M/S 2.78 6.24 5.68 5.71 5.79 5.90 5.90 5.91 6.03 6.03 6.05 8.82 9.41 9.16 9.49 7.07 5.31 4.55 5.14 6.62 7.21 8.77	R(U.V) .1680 .0698 .0623 .0727 .0655 .0570 .0797 .1575 .1740 .1721 .1685 .1906 .1530 .0987 .0963 .11180103 .0212 .000611780969127210950655	MEAN V M/S .22 1.06 1.08 .76 .55 .48 .31 .12 .32 .40 .09 ~.61 ~1.56 ~2.56 ~2.56 ~2.17 ~.99 ~.13 .15 .32 .01 ~.09 ~.02	M/S 1.98 4.389 4.358 6.1128 1.427 6.128 6.720 6.426 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.720 6.	MEAN WS M/5 4.05 8.72 7.89 8.25 8.24 8.37 7.56 7.68 8.34 9.54 10.52 11.05 10.71 10.66 10.83 10.74 11.86 13.30 14.76 15.89 17.05	S.D. HS M/S 1.98 3.99 4.475 4.38 4.46 4.26 4.26 4.26 5.72 6.15 5.72 6.15 4.15 5.95 6.33 5.95 6.96 7.73	2.08 .83 1.07 .95 .88 .89 .78 .95 .83 .97 .81 .79 .90 .99 1.03 1.16 .91 .56 .30 .12 .20 .18	380. 417. 418. 419. 419. 419. 417. 414. 410. 409. 409. 406. 409. 369. 310. 303. 293. 288. 277. 266.
STATION Z KM .111 1.000 2.000 3.000 4.000 5.000 6.000 7.000 8.000 9.000 11.000 12.000 13.000 15.000 15.000 17.000 18.000 17.000 18.000 27.000 28.000 28.000 28.000 28.000 26.000	912170 MEAN U M/S -2.94 -6.00 -5.48 -5.89 -5.91 -5.05 -4.19 -2.88 -1.76870403 -1.12 -4.61 -9.89 -10.35 -10.35 -11.61 -13.08 -14.48 -15.63 -15.63 -17.81 -18.62	TAGUAC S.D. U M/S 6.24 5.68 5.71 5.79 5.90 5.91 6.02 6.39 6.82 9.41 9.16 8.82 9.41 9.16 6.62 7.25 8.17 9.40	R(U,V) .1680 .0698 .0623 .0727 .0655 .0570 .0797 .1575 .1740 .1721 .1685 .1906 .1530 .0987 .0963 .11180103 .0212 .0006117809690947 .01591272109508551153	MEAN V M/S .22 1.26 1.02 1.08 .76 .55 .48 .31 .12 .52 .50 .09 ~.61 ~1.56 ~2.56 ~2.17 ~.99 ~.13 .15 .32 .01 ~.09 ~.13	M/S 1.98 4.389 4.356 4.566 4.566 4.566 7.28 8.1142 6.70 5.6446 2.039 7.20 2.154 2.68	MEAN WS M/5 4.05 8.72 7.89 8.25 8.24 8.40 8.37 7.68 8.34 9.54 10.52 11.05 10.71 10.66 10.83 10.74 11.86 13.30 14.76 15.89 17.05 18.09	S.D. WS M/S 1.989 3.99 4.21 4.55 4.26 4.26 4.20 5.28 5.72 6.15 6.33 5.17 4.15 4.30 5.95 6.96 7.74 9.01	2.08 .83 1.07 .95 .89 .78 .95 .83 .97 .91 .79 .90 .99 1.03 1.16 .91 .56 .30 .12 .20 .18	380. 417. 418. 419. 419. 419. 419. 410. 410. 400. 369. 369. 310. 303. 293. 288. 279. 266. 254.
STATION Z KM .111 1.000 2.000 3.000 9.000 5.000 6.000 9.000 11.000 12.000 13.000 14.000 15.000 15.000 15.000 15.000 15.000 15.000 25.000 25.000 26.000 27.000	912170 MEAN M/S -2.94 -6.00 -5.48 -5.89 -5.91 -5.78 -5.05 -4.19 -2.88 -1.767 .04 -9.89 -10.36 -10.38 -11.618 -15.63 -16.69 -17.61 -18.62 -19.26	TAGUAC S.D. W/S 2.78 5.68 5.79 5.90 5.90 6.39 6.39 6.39 6.82 9.41 6.62 7.07 8.41 6.62 7.17 8.45 6.62 7.17 9.55	R(U.V) .1680 .0698 .0623 .0727 .0655 .0570 .0797 .1575 .1740 .1721 .1685 .1906 .1530 .0987 .0963 .1118 -0103 .0212 .0006117809690947 .01591272109508551153	MEAN V S .22 1.08 .76 .55 .48 .72 .52 .540 .09 -1.568 -2.56 -2.17 .99 -1.32 .01 -2.56 .31 .32 .33	M/S 1.98 4.24 3.25 4.17 4.56 7.21 8.42 7.26 4.26 5.24 4.26 5.29 7.26 4.26 5.27 6.27 6.27 6.27 6.27 6.27 6.27 6.27 6	MEAN WS M/5 4.05 8.72 7.89 8.25 6.24 8.40 8.37 7.56 7.68 8.34 9.54 10.52 11.05 10.71 10.66 10.83 10.74 10.75 11.86 13.30 14.76 15.89 17.05 18.09 19.00 19.67	S.D. WS M/S 1.989 3.99 4.21 4.55 4.20 4.30 5.72 6.33 6.33 5.15 6.33 5.17 4.34 5.95 6.96 7.73 8.90 9.19	2.08 .83 1.07 .95 .88 .89 .78 .95 .83 .97 .90 .99 1.03 1.16 .91 .56 .30 .12 .20 .18 .07	380. 417. 418. 419. 419. 419. 419. 419. 410. 410. 410. 400. 400. 320. 310. 320. 310. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 300. 300. 300. 300. 300. 300. 300. 300. 300. 300. 300.
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STATION Z KM .111 1.000 2.000 3.000 9.000 5.000 6.000 9.000 11.000 12.000 13.000 14.000 15.000 15.000 15.000 15.000 15.000 15.000 25.000 25.000 26.000 27.000	912170 MEAN M/S -2.94 -6.00 -5.48 -5.89 -5.91 -5.78 -5.05 -4.19 -2.88 -1.767 .04 -9.89 -10.36 -10.38 -11.618 -15.63 -16.69 -17.61 -18.62 -19.26	TAGUAC S.D. W/S 2.78 5.68 5.79 5.90 5.90 6.39 6.39 6.39 6.82 9.41 6.62 7.07 8.41 6.62 7.17 8.45 6.62 7.17 9.55	R(U.V) .1680 .0698 .0623 .0727 .0655 .0570 .0797 .1575 .1740 .1721 .1685 .1906 .1530 .0987 .0963 .1118 -0103 .0212 .0006117809690947 .01591272109508551153	MEAN V S .22 1.08 .76 .55 .48 .72 .52 .540 .09 -1.568 -2.56 -2.17 .99 -1.32 .01 -2.56 .31 .32 .33	M/S 1.98 4.24 3.25 4.17 4.56 7.21 8.42 7.26 4.26 5.24 4.26 5.29 7.26 4.26 5.27 6.27 6.27 6.27 6.27 6.27 6.27 6.27 6	MEAN WS M/5 4.05 8.72 7.89 8.25 6.24 8.40 8.37 7.56 7.68 8.34 9.54 10.52 11.05 10.71 10.66 10.83 10.74 10.75 11.86 13.30 14.76 15.89 17.05 18.09 19.00 19.67	S.D. WS M/S 1.989 3.99 4.21 4.55 4.20 4.30 5.72 6.33 6.33 5.15 6.33 5.17 4.34 5.95 6.96 7.73 8.90 9.19	2.08 .83 1.07 .95 .88 .89 .78 .95 .83 .97 .90 .99 1.03 1.16 .91 .56 .30 .12 .20 .18 .07	380. 417. 418. 419. 419. 419. 419. 419. 410. 410. 410. 400. 400. 320. 310. 320. 310. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 320. 300. 300. 300. 300. 300. 300. 300. 300. 300. 300. 300.

TABLE	1. 11	WIND STAT	ISTICAL PA	RAMETERS,		NO	OVEMBER		
SIATION	912170 - MEAN U	TAGUAC S.D. U	R(U,V)	MEAN V	5.D. V	MEAN HS	S.D. WS	skeh hs	NOBS
КM	M/S	M/S	1110.77	M/S	M/S	M/S	M/S	Sitter AS	,,,,,,,
.111	-4.29	2.68	.0534	- , lşiş	2.05	5.13	1.93	.11	377.
1.000 2.000	-9.04 -7.83	5.85 5.60	.1379 .1312	. 3 4 . 75	4.91 4.59	11.09 9.84	4.14 4.18	.54 .73	406. 407.
3.000	-8.13	5.34	.1502	. 75 . 66	4.48	9.95	4.00	.50	407.
4.000	-7.79	5.29	.1666	.72	4.59	9.67	4.08	.42	407.
5.000	-8.11	5.64	.0656	. 66	4.81	10.03	4.53	. 28	407.
6.000	-8.38	6.10	0747	.67	5.17	10.45	5.04	. 39	406.
7.000 8.000	-7.76 -6.88	6.07 6.19	1404 12 88	. 34 . 20	4.98 4.78	9.87 9.21	4.95 4.83	.43 .61	405. 402.
9.000	-5.86	6.90	.0465	07	5.03	9.04	5.04	.85	402.
10.000	-4.74	7.63	. 1282	. 17	5.41	9.24	4.94	.72	400.
11.000	-3.63	8.31	.2232	. 37	5.96	9.65	4.95	. 59	398
12.000 13.000	-2.86 -2.92	9.63 9.79	.1919 .1179	. 15 10	6.5 3 6.69	10.02	4.97 5.15	. 56 . 67	396. 394.
14.000	-2.9c -3.70	8.79 8.70	.1179	70	6.36	10.1 8 10.02	5.45	.07 .75	394. 392.
15.000	-6.32	8.30	0425	-1.39	5.75	10.26	6.19	.81	388.
16.000	-9.52	6.64	0716	60	5.10	10.94	6.42	.50	375.
17.000	-10.93	5.18	0407	13	4.17	11.66	5.28	.26	330.
18.000 19.000	-10.90 -9.43	5.01 4.76	.0732 .0176	. 23 . 22	2.90 2.33	11.3 3 9.79	4. 92 4.61	.33 .31	329. 32 5.
20.000	-8.52	5.36	0874	.53	2.39	9.11	4.91	.49	319.
21.000	-9.19	6.38	1101	. 13	2.26	9.95	5.58	.44	311.
22.000	-10.37	6.92	0752	. 07	2.23	11.15	6.00	.24	310.
23.000	-11.04	8.39 9.73	.0722	.03	5 . 58	12.31	6.76	.32	304.
24.000 25.000	-11.50 -11.64	11.09	.0622 0180	. 04 . 25	2.47 2.42	13.36 14.55	7.37 7.25	.es.	297. 291.
26.000	-11.19	12.24	0392	.24	2.90	15.11	7.41	09	280.
27.000	-10.11	12.98	.0020	. 17	3.04	14.79	7.81	.07	254.
28.000	-8.09	13.44	.0361	.23	3.48	14.05	7.76	.20	239.
29.000 30.000	-5.55 -3.39	14.13 15.89	.0585 .1224	.41 .74	3.63 3.90	13.69 14.62	7.45 8.04	.23 .20	208. 155.
30.1100	-3.39	13.65	. 1664	. 74	3.90	17.66	6.04	.20	155.
TABLE	1. 12		ISTICAL PA	WAMETERS.		Di	ECEMBER		
STATION	- 912170	TAGUAC			6 D V			exen re	MODE
				MEAN V	S.D. V M/S	HEAN HS	S.D. WS	skeh hs	NOBS
STATION Z KM .111	= 912170 MEAN U M/S -4.94	TAGUAC S.D. U M/S 1.97	R(U,V)	MEAN V M/S -1.00	M/S 1.65	HEAN HS M/S 5.32	S.D. WS M/S 1.91	SKEH HS	377.
STATION Z KM .111 1.000	= 912170 MEAN U M/S -4.94 -10.37	TAGUAC S.D. U M/S 1.97 4.34	.1776 .1974	MEAN V M/S -1.00 -1.01	M/S 1.65 3.66	HEAN HS H/S 5.32 11.12	S.D. WS M/S 1.91 4.13	10 .17	377. 427.
STATION Z KM .111 1.000 2.000	= 912170 MEAN U M/S -4.94 -10.37 -8.86	TAGUAC S.D. U M/S 1.97 4.34 4.69	R(U,V) .1776 .1974 .0929	MEAN V M/S -1.00 -1.01 45	M/S 1.65 3.66 3.58	HEAN HS H/S 5.32 11.12 9.74	S.D. WS M/S 1.91 4.13 4.32	10 .17 .29	377. 427. 429.
STATION Z KM .111 1.000 2.000 3.000	= 912170 MEAN U M/S -4.94 -10.37 -8.86 -8.30	TAGUAC S.D. U M/S 1.97 4.34 4.69 4.95	.1776 .1974 .0929	MEAN V M/S -1.00 -1.01 45 08	M/S 1.65 3.66 3.58 3.60	MEAN HS H/S 5.32 11.12 9.74 9.31	S.D. H5 M/S 1.91 4.13 4.32 4.44	10 .17 .29	377. 427. 429. 429.
STATION Z KM .111 1.000 2.000	= 912170 MEAN U M/S -4.94 -10.37 -8.86	TAGUAC S.D. U M/S 1.97 4.34 4.69	R(U,V) .1776 .1974 .0929	MEAN V M/S -1.00 -1.01 45 08	M/S 1.65 3.66 3.58	HEAN HS M/S 5.32 11.12 9.74 9.31 9.10	S.D. WS M/S 1.91 4.13 4.32 4.44	10 .17 .29 .21	377. 427. 429. 429. 429.
STATION Z 111 1.000 2.000 3.000 4.000 5.000 6.000	= 912170 MEAN U M/S -4.94 -10.37 -8.86 -8.30 -8.13 -8.23 -8.40	TAGUAC S.D. U M/S 1.97 4.34 4.69 4.95 4.79 4.81 5.11	R(U,V) .1776 .1974 .0929 .1133 .0709 .0073	MEAN V M/S -1.00 -1.01 45 08 .23 .51	M/S 1.65 3.66 3.58 3.60 3.63 3.96 4.42	MEAN HS M/S 5.32 11.12 9.74 9.31 9.10 9.32 9.76	S.D. H5 M/S 1.91 4.13 4.32 4.44	10 .17 .29	377. 427. 429. 429.
STATION Z KM .111 1.000 2.000 3.000 4.000 5.000 6.000 7.000	912170 MEAN U M/S -4.94 -10.37 -8.86 -8.30 -9.13 -8.23 -8.40 -8.12	TAGUAC 5.D. U M/S 1.97 4.34 4.69 4.95 4.79 4.81 5.11 5.15	R(U, V) .1776 .1974 .0929 .1133 .0709 .0073 0572	MEAN V M/S -1.00 -1.01 45 08 .23 .51 .89	M/S 1.65 3.66 3.58 3.60 3.63 3.96 4.42 4.69	MEAN HS M/S 5.32 11.12 9.74 9.31 9.10 9.32 9.76 9.61	S.D. WS M/S 1.91 4.13 4.32 4.44 4.41 4.47 4.65 4.70	10 .17 .29 .21 .36 .40 .29	377. 427. 429. 429. 429. 429. 429.
STATION Z KOM .111 1.000 2.000 3.000 4.000 5.000 6.000 7.000 8.000	= 912170 MEAN U M/S -4.94 -10.37 -8.86 -8.30 -8.13 -8.23 -8.23 -8.12 -7.25	TAGUAC S.D. U M/S 1.97 4.34 4.69 4.95 4.79 4.81 5.11 5.15 5.48	R(U,V) .1776 .1974 .0929 .1133 .0709 .0073 0572 0775 1409	MEAN V M/S -1.00 -1.01 45 08 .23 .51 .89 .24	M/S 1.65 3.66 3.58 3.60 3.63 3.96 4.42 4.69 4.91	MEAN HS M/S 5.32 11.12 9.74 9.31 9.10 9.32 9.76 9.61 9.19	S.D. MS M/S 1.91 4.13 4.32 4.44 4.41 4.47 4.65 4.70 4.73	10 .17 .29 .21 .36 .40 .29 .29	377. 427. 429. 429. 429. 429. 429. 429.
STATION Z KM .111 1.000 2.000 3.000 4.000 5.000 6.000 7.000 8.000 9.000	912170 MEAN U M/S -4.94 -10.37 -8.86 -8.30 -9.13 -8.23 -8.40 -8.12	TAGUAC S.D. U M/S 1.97 4.34 4.69 4.95 4.79 4.81 5.11 5.15 5.48 5.90	R(U,V) .1776 .1974 .0929 .1133 .0709 .0073 0572 0775 1409 1363	MEAN V M/S -1.00 -1.01 45 08 .23 .51 .89 .24 30 69	M/S 1.65 3.66 3.58 3.60 3.63 3.96 4.42 4.69 4.91	MEAN MS M/S 5.32 11.12 9.74 9.31 9.10 9.32 9.76 9.61 9.19 8.45	S.D. MS M/S 1.91 4.13 4.32 4.44 4.41 4.47 4.65 4.70 4.73	10 .17 .29 .21 .36 .40 .29 .57	\$77. 427. 429. 429. 429. 429. 429. 424.
STATION Z KOM .111 1.000 2.000 3.000 4.000 5.000 6.000 7.000 8.000	= 912170 MEAN U M/S -4.94 -10.37 -8.86 -8.30 -8.13 -8.23 -8.40 -8.12 -7.25 -5.79	TAGUAC S.D. U M/S 1.97 4.34 4.69 4.95 4.79 4.81 5.11 5.15 5.48	R(U,V) .1776 .1974 .0929 .1133 .0709 .0073 0572 0775 1409	MEAN V M/S -1.00 -1.01 45 08 .23 .51 .89 .24	M/S 1.65 3.66 3.58 3.60 3.63 3.96 4.42 4.69 4.91	MEAN HS M/S 5.32 11.12 9.74 9.31 9.10 9.32 9.76 9.61 9.19	S.D. MS M/S 1.91 4.13 4.32 4.44 4.41 4.47 4.65 4.70 4.73	10 .17 .29 .21 .36 .40 .29 .29	377. 427. 429. 429. 429. 429. 429. 429.
STATION Z KOY .111 1.000 2.000 3.000 4.000 5.000 6.000 7.000 8.000 9.000 10.000 11.000 12.000	= 912170 MEAN U M/S -4.94 -10.37 -8.86 -8.30 -8.13 -8.23 -8.12 -7.25 -5.79 -4.18 -2.91 -2.08	TAGUAC S.D. U M/S 1.97 4.69 4.95 4.79 4.81 5.11 5.15 5.48 5.90 6.45 6.45 6.46	R(U,V) .1776 .1974 .0929 .1133 .0709 .0073 0572 0775 1409 1363 0676 0196 0439	MEAN V M/S -1.00 -1.01 45 08 .23 .51 .89 .24 30 69 94	M/S 1.65 3.66 3.59 3.63 3.96 4.42 4.69 4.90 4.90 4.69 5.10	MEAN HS M/S 5.32 11.12 9.74 9.31 9.10 9.32 9.76 9.61 9.19 8.45 7.81 7.88	S.D. MS M/S 1.91 4.13 4.32 4.44 4.41 4.47 4.65 4.70 4.73 4.61 3.80 3.81	10 .17 .29 .21 .36 .40 .29 .29 .57 .58 .52	377. 427. 429. 429. 429. 429. 424. 424. 421. 421. 419.
STATION Z KOY .111 1.000 2.000 3.000 4.000 5.000 6.000 7.000 8.000 9.000 11.000 11.000 12.000 13.000	= 912170 MEAN U M/S -4.94 -10.37 -8.86 -8.30 -8.13 -8.23 -8.23 -8.12 -7.25 -5.79 -4.18 -2.91 -2.08 -1.84	TAGUAC S.D. U M/S 1.97 4.34 4.69 4.95 4.79 4.81 5.11 5.15 5.48 5.90 6.05 6.46 6.39	R(U,V) .1776 .1974 .0929 .1133 .0709 .007305720775140913630676019604391055	MEAN V M/S -1.00 -1.01 45 08 .23 .51 .89 24 30 69 69 68 28 09	M/S 1.65 3.66 3.66 3.63 3.96 4.99 4.99 4.69 5.12 5.36	MEAN HS M/S 5.32 11.12 9.74 9.31 9.10 9.32 9.76 9.61 9.19 8.45 7.81 7.88 7.69 7.57	S.D. MS M/S 1.91 4.13 4.32 4.44 4.41 4.47 4.65 4.70 4.73 4.61 4.01 3.80 3.81 3.93	10 .17 .29 .21 .36 .40 .29 .57 .58 .52 .55	377. 429. 429. 429. 429. 424. 424. 421. 421. 415.
STATION Z KOM .111 1.0000 2.000 3.000 4.000 5.000 6.000 7.000 8.000 9.000 10.000 11.000 12.000 13.000 14.000	= 912170 MEAN U M/S -4.94 -10.37 -8.86 -8.30 -8.13 -8.40 -8.12 -7.25 -5.79 -4.18 -2.91 -2.08 -1.84 -2.10	TAGUAC S.D. U M/S 1.97 4.34 4.69 4.95 4.79 4.81 5.11 5.15 5.48 5.90 6.06 6.45 6.39 6.39	R(U,V) .1776 .1974 .0929 .1133 .0709 .0073 -0057207751409136306760196043910551530	MEAN V M/S -1.00 -1.01 45 08 .23 .51 .89 .24 30 69 69 69 28 .09 .29	M/S 1.65 3.66 3.63 3.96 4.99 4.99 5.26 5.36 5.18	MEAN HS M/S 5.32 11.12 9.74 9.31 9.10 9.32 9.76 9.61 9.19 8.45 7.81 7.89 7.57 7.39	S.D. MS M/S 1.91 4.13 4.32 4.44 4.41 4.65 4.70 4.73 4.61 4.01 3.80 3.81 3.93 4.18	10 .17 .29 .21 .36 .40 .29 .57 .58 .52 .55 .71	377. 429. 429. 429. 429. 429. 424. 421. 421. 415. 415.
STATION Z KOY .111 1.000 2.000 3.000 4.000 5.000 6.000 7.000 8.000 9.000 11.000 11.000 12.000 13.000	= 912170 MEAN U M/S -4.94 -10.37 -8.86 -8.30 -8.13 -8.23 -8.23 -8.12 -7.25 -5.79 -4.18 -2.91 -2.08 -1.84	TAGUAC S.D. U M/S 1.97 4.34 4.69 4.95 4.79 4.81 5.11 5.15 5.48 5.90 6.05 6.46 6.39	R(U,V) .1776 .1974 .0929 .1133 .0709 .007305720775140913630676019604391055	MEAN V M/S -1.00 -1.01 45 08 .23 .51 .89 .24 30 69 94 68 29 29	M/S 1.65 3.66 3.58 3.63 3.96 4.69 4.69 4.69 5.26 5.38 5.34	MEAN MS M/S 5.32 11.12 9.74 9.31 9.10 9.32 9.76 9.61 9.19 8.45 7.81 7.89 7.69 7.57	S.D. MS M/S 1.91 4.13 4.14 4.41 4.47 4.65 4.70 4.61 4.01 3.80 3.81 3.93 4.18 4.55	10 .17 .29 .21 .36 .40 .29 .57 .58 .52 .55 .71 .59 .90	377. 427. 429. 429. 429. 429. 424. 421. 4119. 4119. 4119.
STATION Z KOT .111 1.000 2.000 3.000 4.000 5.000 6.000 7.000 8.000 9.000 11.000 12.000 13.000 15.000 15.000 15.000 17.000	= 912170 MEAN U M/5 -4.94 -10.37 -8.86 -8.30 -8.13 -8.23 -8.12 -7.25 -5.79 -4.18 -2.91 -2.08 -1.84 -2.10 -3.71 -6.63 -8.32	TAGUAC 5.D. U M/S 1.97 4.69 4.95 4.79 4.81 5.11 5.15 5.48 5.90 6.45 6.46 6.39 6.39 6.39 5.54 5.57	R(U,V) .1776 .1974 .0929 .1133 .0709 .0073057207751409136306760196043910551530189625482366	MEAN V M/S -1.00 -1.01 45 08 .23 .51 .89 .24 30 69 69 69 28 .09 .29	M/S 1.65 3.66 3.63 3.96 4.99 4.99 5.26 5.36 5.18	MEAN HS M/S 5.32 11.12 9.74 9.31 9.10 9.32 9.76 9.61 9.19 8.45 7.81 7.89 7.57 7.39	S.D. MS M/S 1.91 4.13 4.32 4.44 4.41 4.65 4.70 4.73 4.61 4.01 3.80 3.81 3.93 4.18	10 .17 .29 .21 .36 .40 .29 .57 .58 .52 .55 .71	377. 429. 429. 429. 429. 429. 424. 421. 421. 415. 415.
STATION Z KOY .111 1.000 2.000 3.000 4.000 5.000 6.000 7.000 8.000 9.000 11.000 12.000 13.000 14.000 15.000 15.000 15.000 15.000 16.000 17.000 18.000	912170 MEAN U M/S -4.94 -10.37 -8.86 -8.30 -8.13 -8.23 -8.40 -6.12 -7.25 -5.79 -4.18 -2.91 -2.08 -1.84 -2.10 -3.71 -6.63 -8.50	TAGUAC S.D. W/S 1.97 4.69 4.95 4.95 4.95 5.15 5.90 6.05 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39	R(U,V) .1776 .1974 .0929 .1133 .0709 .0073057214091363067601960439105515301896254823661889	MEAN V M/S -1.00 -1.014508 .23 .51 .8930699468299982 1.30 1.62 1.04	M/S 1.65 3.66 3.66 3.63 3.96 4.99 9.69 5.12 5.31 5.31 5.31 5.81 9.81 9.81 9.81 9.81 9.81 9.81 9.81 9	MEAN HS M/S 5.32 11.12 9.74 9.31 9.10 9.32 9.76 9.61 9.19 8.45 7.81 7.89 7.57 7.39 7.52 8.66 9.73	S.D. MS M/S 1.91 4.13 4.32 4.44 4.41 4.47 4.65 4.70 4.73 4.61 4.01 3.80 3.81 3.93 4.18 4.55 4.93 4.93	10 .17 .29 .21 .36 .40 .29 .57 .58 .52 .55 .71 .59 .90 1.05	377. 429. 429. 429. 429. 429. 424. 421. 415. 410. 4105. 372.
STATION Z KOY .111 1.0000 2.000 3.000 4.000 5.000 6.000 7.000 8.000 10.000 11.000 12.000 13.000 14.000 15.000 16.000 17.000 18.000 18.000 19.000	912170 MEAN U M/S -4.94 -10.37 -8.86 -8.30 -8.13 -8.23 -8.40 -8.12 -7.25 -5.79 -4.18 -2.91 -2.91 -2.08 -1.84 -2.10 -3.71 -6.63 -8.32 -8.50 -6.79	TAGUAC S.D. U M/S 1.97 4.69 4.95 4.95 4.95 5.11 5.15 5.90 6.46 6.39 5.86 5.57 5.09 5.07	R(U,V) .1776 .1974 .0929 .1133 .0709 .0073 -0.05720775140913630676019604391055153018962548254825482366	MEAN V M/S -1.00 -1.014508235189243069692982 1.30 1.62 1.0434	M/S5 3.658 3.663 3.692 9999 9990 1063 1084 1084 1084 1084 1084	MEAN HS M/S 5.32 11.12 9.74 9.31 9.10 9.32 9.76 9.61 9.19 8.45 7.81 7.89 7.69 7.57 7.39 7.52 8.66 9.73 9.73	S.D. MS M/S 1.91 4.13 4.32 4.44 4.41 4.65 4.73 4.61 4.01 3.80 3.81 3.93 4.18 4.55 4.93 4.37	10 .17 .29 .21 .36 .40 .29 .57 .58 .52 .55 .71 .59 .90 1.05 1.10 .69	377. 429. 429. 429. 429. 429. 424. 421. 415. 415. 415. 373. 371.
STATION Z KOY .111 1.000 2.000 3.000 4.000 5.000 6.000 7.000 8.000 9.000 11.000 12.000 13.000 14.000 15.000 15.000 15.000 15.000 16.000 17.000 18.000	912170 MEAN U M/S -4.94 -10.37 -8.86 -8.30 -8.13 -8.23 -8.40 -6.12 -7.25 -5.79 -4.18 -2.91 -2.08 -1.84 -2.10 -3.71 -6.63 -8.50	TAGUAC S.D. W/S 1.97 4.69 4.95 4.95 4.95 5.15 5.90 6.05 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39	R(U,V) .1776 .1974 .0929 .1133 .0709 .0073057214091363067601960439105515301896254823661889	MEAN V M/S -1.00 -1.014508 .23 .51 .89 .243069946828 .09 .82 1.30 1.62 1.04 .09	M/S 1.65 3.66 3.66 3.69 3.69 3.69 3.69 3.69 3.69	MEAN MS M/S 5.32 11.12 9.74 9.31 9.10 9.32 9.76 9.61 9.19 8.45 7.81 7.89 7.57 7.39 7.52 8.66 9.73 9.75 9.75 9.75 9.75 9.75 9.75	S.D. MS M/S 1.91 4.13 4.32 4.44 4.41 4.47 4.65 4.70 4.61 3.80 3.81 3.81 3.93 4.18 4.55 4.77 4.55	10 .17 .29 .21 .36 .40 .29 .57 .58 .52 .55 .71 .59 .90 1.05 1.10 .68 .80	377. 429. 429. 429. 429. 429. 424. 421. 419. 419. 410. 405. 372. 373. 373. 373.
STATION Z KOY .111 1.0000 2.000 3.000 4.000 5.000 6.000 7.000 8.000 9.000 11.000 12.000 13.000 14.000 15.000 15.000 16.000 17.000 18.000 19.000 20.000 22.000	912170 MEAN U M/5 -4.94 -10.37 -8.86 -8.30 -8.13 -8.23 -8.12 -7.25 -5.79 -4.18 -2.91 -2.08 -1.84 -2.10 -3.71 -6.53 -8.50 -6.79 -5.43	TAGUAC 5.D. W/S 1.97 4.69 4.95 4.95 4.91 5.15 5.48 5.96 6.46 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.38 6.39 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38	R(U,V) .1776 .1974 .0929 .1133 .0709 .0073 -0572077514091363067601960195153018962548236618890316 .0065	MEAN V M/S -1.00 -1.014508235189243069692982 1.30 1.62 1.0434	M/S5 3.658 3.663 3.692 9999 9990 1063 1084 1084 1084 1084 1084	MEAN HS M/S 5.32 11.12 9.74 9.31 9.10 9.32 9.76 9.61 9.19 8.45 7.81 7.89 7.69 7.57 7.39 7.52 8.66 9.73 9.73	S.D. MS M/S 1.91 4.13 4.32 4.44 4.41 4.65 4.73 4.61 4.01 3.80 3.81 3.93 4.18 4.55 4.93 4.37	10 .17 .29 .21 .36 .40 .29 .57 .58 .52 .55 .71 .59 .90 1.05 1.10 .69	377. 429. 429. 429. 429. 429. 424. 421. 415. 415. 415. 373. 371.
STATION Z KOY .111 1.000 2.000 3.000 4.000 5.000 5.000 7.000 8.000 10.000 11.000 12.000 13.000 14.000 15.000 17.000 18.000 17.000 18.000 19.000 20.000 21.000 22.000 23.000	912170 MEAN U M/S -4.94 -10.37 -8.86 -8.30 -8.13 -8.23 -8.40 -7.25 -5.79 -4.18 -2.91 -2.08 -1.84 -2.10 -3.71 -6.63 -8.50 -6.79 -5.43 -5.57 -6.724	TAGUAC S.D. W/S 1.97 4.69 4.95 4.95 4.95 5.15 5.90 6.45 6.39 5.85 5.30 5.85 5.30 7.86 8.35 8.75	R(U,V) .1776 .1974 .0929 .1133 .0709 .00730572140913630657019604391055153018962548256618890316 .0065 .0772 .00620422	MEAN V M/S -1.00 -1.014508 .23 .51 .893069 +.6809 .82 1.30 1.62 1.30 1.62 1.30 1.32 1.32 1.32 1.32 1.33 1.32 1.34 1.34 1.34 1.34 1.34 1.34 1.34 1.34	M/S5 3.658 3.663 3.696 3.696 3.696 3.696 3.696 3.696 3.696 3.696 3.696 3.696 3.696 3.696 3.696 3.696 3.696 3.696 3.696 3.696 3.696 3.696 3.696 3.696 3.696 3.696 3.696 3.696 3.696 3.696 3.696 3.696 3.696 3.696 3.696 3.696 3.696 3.696 3.696 3.696 3.696 3.696 3.696 3.696 3.696 3.696 3.696 3.696 3.696 3.696 3.696 3.696 3.696 3.696 3.696 3.696 3.696 3.696 3.696 3.696 3.696 3.696 3.696 3.696 3.696 3.696 3.696 3.696 3.696 3.696 3.696 3.696 3.696 3.696 3.696 3.696 3.696 3.696 3.696 3.696 3.696 3.696 3.696 3.696 3.696 3.696 3.696 3.696 3.696 3.696 3.696 3.696 3.696 3.696 3.696 3.696 3.696 3.696 3.696 3.696 3.696 3.696 3.696 3.696 3.696 3.696 3.696 3.696 3.696 3.696 3.696 3.696 3.696 3.696 3.696 3.696 3.696 3.696 3.696 3.696 3.696 3.696 3.696 3.696 3.696 3.696 3.696 3.696 3.696 3.696 3.696 3.696 3.696 3.696 3.696 3.696 3.696 3.696 3.696 3.696 3.696 3.696 3.696 3.696 3.696 3.696 3.696 3.696 3.696 3.696 3.696 3.696 3.696 3.696 3.696 3.696 3.696 3.696 3.696 3.696 3.696 3.696 3.696 3.696 3.696 3.696 3.696 3.696 3.696 3.696 3.696 3.696 3.696 3.696 3.696 3.696 3.696 3.696 3.696 3.696 3.696 3.696 3.696 3.696 3.696 3.696 3.696 3.696 3.696 3.696 3.696 3.696 3.696 3.696 3.696 3.696 3.696 3.696 3.696 3.696 3.696 3.696 3.696 3.696 3.696 3.696 3.696 3.696 3.696 3.696 3.696 3.696 3.696 3.696 3.696 3.696 3.696 3.696 3.696 3.696 3.696 3.696 3.696 3.696 3.696 3.696 3.696 3.696 3.696 3.696 3.696 3.696 3.696 3.996 3.996 3.996 3.996 3.996 3.996 3.996 3.996 3.996 3.996 3.996 3.996 3.996 3.996 3.996 3.996 3.996 3.996 3.996 3.996 3.996 3.996 3.996 3.996 3.996 3.996 3.996 3.996 3.996 3.996 3.996 3.996 3.996 3.996 3.996 3.996 3.996 3.996 3.996 3.996 3.996 3.996 3.996 3.996 3.996 3.996 3.996 3.996 3.996 3.996 3.996 3.996 3.996 3.996 3.996 3.996 3.996 3.996 3.996 3.996 3.996 3.996 3.996 3.996 3.996 3.996 3.996 3.996 3.996 3.996 3.996 3.996 3.996 3.996 3.996 3.996 3.996 3.996 3.996 3.996 3.996 3.996 3.996 3.996 3.996 3.996 3.996 3.996 3.996 3.996 3.996 3.996 3.996 3.996 3.996 3.996 3.996 3.996 3.996 3.996 3.996 3.996 3.996 3.996 3.906 3.906 3.906 3	MEAN HS M/S 5.32 11.12 9.74 9.31 9.10 9.32 9.76 9.61 9.19 8.45 7.81 7.89 7.57 7.39 7.52 8.66 9.73 9.27 7.64 7.28 8.20 9.68	S.D. MS M/S 1.91 4.132 4.44 4.47 4.65 4.70 4.73 4.61 4.01 3.80 3.81 3.93 4.18 4.55 4.53 4.53 4.53 6.39	10 .17 .29 .21 .36 .40 .29 .57 .58 .52 .55 .71 .59 .90 1.05 1.10 .68 .90 .77	377. 429. 429. 429. 429. 429. 424. 421. 415. 410. 405. 373. 373. 373. 373. 373. 373. 373. 373. 373.
STATION Z KOY .111 1.0000 2.0000 3.0000 4.0000 5.0000 6.0000 9.0000 10.0000 11.0000 12.0000 15.0000 15.0000 17.0000 18.0000 17.0000 18.0000 21.0000 22.0000 22.0000 24.0000 24.0000	912170 MEAN U M/S -4.94 -10.37 -8.86 -8.30 -8.13 -8.25 -5.79 -4.18 -2.91 -2.91 -2.08 -1.84 -2.10 -3.71 -6.632 -8.50 -6.79 -5.43 -5.37 -6.50 -7.29	TAGUAC 5.D. W/S 1.97 4.69 4.95 4.95 4.95 5.15 5.90 6.05 6.39 5.86 5.39 5.57 5.07 6.86 6.39 5.10 7.88 7.81 8.75 9.10	R(U,V) .1776 .1974 .0929 .1133 .0709 .0073 -057214091363067601960439105515301896254825482548254825480316 .0065 .0772 .0065	MEAN V M/S -1.00 -1.014508 .23 .51 .89 .24306928 .29 .29 .82 1.30 1.62 1.34 .09 .23 .29 .24 .12	M/S5 1.65 1.65 1.65 1.65 1.65 1.65 1.65 1.6	MEAN HS M/S 5.32 11.12 9.74 9.31 9.10 9.32 9.76 9.61 7.88 7.69 7.57 7.39 7.52 8.66 9.73 9.27 7.64 7.28 8.20 8.92 9.68 10.55	S.D. MS M/S 1.91 4.132 4.44 4.47 4.65 4.70 4.61 4.61 4.93 4.18 4.55 4.93 4.87 4.55 6.39 6.45	10 .17 .29 .21 .36 .40 .29 .57 .58 .52 .55 .71 .90 1.05 1.10 .69 .80 .77 .73 .61	377. 429. 429. 429. 429. 424. 421. 421. 415. 410. 405. 373. 373. 368. 331. 343.
STATION Z NOT .111 1.000 2.000 3.000 4.000 5.000 6.000 7.000 8.000 10.000 11.000 12.000 13.000 15.000 15.000 15.000 15.000 15.000 20.000 21.000 22.000 23.000 24.000 25.000	912170 MEAN U M/S -4.94 -10.37 -8.86 -8.30 -8.13 -8.23 -8.40 -7.25 -5.79 -4.18 -2.91 -2.08 -1.84 -2.10 -3.71 -6.63 -8.50 -6.79 -5.43 -5.57 -6.724	TAGUAC 5.D. W/S 1.97 4.69 4.99 4.99 4.15 5.15 5.96 6.45 6.45 6.39 5.54 5.30 6.36 6.37 5.00 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38 6.38	R(U,V) .1776 .1974 .0929 .1133 .0709 .00730572077514091363067601960439105515302548236618962548236618960316 .0065 .0772 .0062 .0065	MEAN V M/S -1.00 -1.014508 .23 .51 .89 .243069946828 .09 .29 .82 1.30 1.62 1.04 .34 .09 .23 .29 .24 .17 .07	M/S5 1.65 1.65 1.65 1.65 1.65 1.65 1.65 1.6	MEAN WS M/S 5.32 11.12 9.74 9.31 9.76 9.61 9.76 9.61 7.69 7.57 7.39 7.52 8.66 9.73 9.27 7.64 7.28 8.20 8.92 9.96 8.10 10.55	S.D. WS M/S 1.91 4.132 4.44 4.47 4.465 4.61 4.61 4.61 4.61 4.70 3.81 3.93 4.77 4.50 5.34 6.34 6.34 6.34 6.34 6.34	10 .17 .29 .36 .40 .29 .57 .58 .52 .55 .71 .59 .90 1.05 1.10 .69 .80 .77 .73 .61 .62	377. 429. 429. 429. 429. 429. 424. 421. 419. 419. 410. 405. 372. 373. 373. 373. 373. 373. 373. 373
STATION Z KOY .111 1.0000 2.0000 3.0000 4.0000 5.0000 6.0000 9.0000 10.0000 11.0000 12.0000 15.0000 15.0000 17.0000 18.0000 17.0000 18.0000 21.0000 22.0000 22.0000 24.0000 24.0000	912170 MEAN U M/S -4.94 -10.37 -8.86 -8.30 -8.13 -8.23 -8.12 -7.25 -5.79 -4.18 -2.91 -2.08 -1.84 -2.10 -3.71 -6.63 -8.50 -5.43 -5.43 -5.37 -6.50 -7.29 -7.82	TAGUAC 5.D. W/S 1.97 4.69 4.95 4.95 4.95 5.15 5.90 6.05 6.39 5.86 5.39 5.57 5.07 6.86 6.39 5.10 7.88 7.81 8.75 9.10	R(U,V) .1776 .1974 .0929 .1133 .0709 .0073 -057214091363067601960439105515301896254825482548254825480316 .0065 .0772 .0065	MEAN V M/S -1.00 -1.014508 .23 .51 .89 .24306928 .29 .29 .82 1.30 1.62 1.34 .09 .23 .29 .24 .12	M/S5 1.65 1.65 1.65 1.65 1.65 1.65 1.65 1.6	MEAN WS M/S 5.32 11.12 9.74 9.31 9.10 9.32 9.61 9.69 7.69 7.57 7.39 7.57 7.69 7.57 7.69 9.73 9.27 7.64 7.69 9.68	S.D. WS M/S 1.91 4.13 4.32 4.44 4.47 4.65 4.70 4.61 4.61 4.93 4.55 4.93 4.77 4.55 5.34 6.39 6.45 5.72	10 .17 .29 .21 .36 .40 .29 .57 .58 .52 .55 .71 .59 .90 1.05 1.10 .69 .77 .73 .64 .61 .40 .29	377. 429. 429. 429. 429. 424. 424. 421. 415. 415. 410. 405. 372. 373. 371. 360. 331. 331. 331. 343.
STATION Z KOY .111 1.000 2.000 3.000 4.000 5.000 5.000 7.000 8.000 10.000 11.000 12.000 13.000 14.000 15.000 15.000 17.000 18.000 17.000 18.000 20.000 21.000 22.000 23.000 24.000 25.000 25.000 26.000 27.000 28.000	912170 MEAN U M/S -4.94 -10.37 -8.86 -8.30 -8.13 -8.23 -8.40 -7.25 -5.79 -4.18 -2.08 -1.84 -2.10 -3.71 -6.632 -8.50 -6.79 -5.437 -6.532 -7.24 -7.99 -7.82 -7.82	TAGUAC S.D. Y 1.97 4.69 5.115 5.148 5.155 5.496 6.456 6.339 5.854 5.309 5.206 7.831 9.506 10.38 11.345	R(U,V) .1776 .1974 .0929 .1133 .0709 .00730572140913630630196019515301896254825662548236625480316 .0065 .0772 .00620422 .0065 .01010074 .0417	MEAN V M/S -1.00 -1.014508 .23 .51 .893069 .82 1.30 2.24 .12 .05 .25 .25	M/S 1.65 3.66 3.66 3.69 4.99 9.69 5.12 5.38 4.99 9.55 5.38 4.38 2.38 2.38 2.38 2.38 3.37 3.37 3.37 3.38 3.38 3.39 3.39 3.39 3.39 3.39 3.39	MEAN HS M/S 5.32 11.12 9.74 9.31 9.10 9.32 9.76 9.61 9.19 8.45 7.81 7.89 7.57 7.39 7.52 8.66 9.73 9.27 7.64 7.28 8.20 8.20 8.20 8.20 8.20 8.20 8.20 8	S.D. WS M/S 1.91 4.132 4.44 4.47 4.465 4.61 4.61 4.61 4.61 4.70 3.81 3.93 4.77 4.50 5.34 6.34 6.34 6.34 6.34 6.34	10 .17 .29 .36 .40 .29 .57 .58 .52 .55 .71 .90 1.05 1.10 .68 .90 .77 .73 .61 .62 .40 .28 .28 .22	377. 429. 429. 429. 429. 424. 421. 415. 410. 405. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373. 373.
STATION Z	912170 MEAN U M/5 -40.37 -8.86 -8.30 -8.13 -8.23 -8.40 -7.25 -5.79 -4.18 -2.08 -1.84 -2.10 -3.71 -6.53 -8.50 -6.79 -7.99 -7.99 -7.99 -7.99 -7.10	TAGUAC S.D. W/S 1.97 4.69 4.95 4.95 4.95 5.15 5.15 5.48 5.46 6.39 6.39 6.39 5.54 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39 6.39	R(U,V) .1776 .1974 .0929 .1133 .0709 .00730572140913630676019604391055153018962548256618890316 .0065 .0772 .00620422 .0065 .01010074 .0417	MEAN V 5 -1.00 -1.014508 .23 .51 .89309428 .23 .51 .89 .24 .12 .25 .24 .12 .25 .25 .25 .25 .25 .25 .25 .25 .25 .2	M/S 1.65 3.66 3.66 3.63 3.44 4.90 90 90 90 90 90 90 90 90 90 90 90 90 9	MEAN WS M/S 5.32 11.12 9.74 9.31 9.10 9.32 9.76 9.61 9.19 8.45 7.89 7.57 7.52 8.66 9.73 9.27 7.64 7.28 8.92 9.68 10.55 11.20 11.05	S.D. MS M/S 1.91 4.132 4.44 4.47 4.65 4.70 4.61 3.81 3.93 4.55 4.59 4.59 4.59 4.59 5.60 6.39 6.45 5.67 6.43	10 .17 .29 .36 .40 .29 .57 .58 .55 .55 .71 .69 .90 1.05 1.10 .68 .90 .77 .73 .64 .61 .62	377. 429. 429. 429. 429. 424. 421. 419. 415. 410. 373. 373. 373. 373. 373. 373. 373. 37

TABLE	1. 13		ISTICAL PA	RAMETERS.		AA A	NUAL		
STATION	912170 - MEAN U	TAGUAC		N= 431 11		MEAN WS	C D 116	SKEN NS	NOBS
101	H/S	S.D. U M/S	R(U,V)	MEAN V M/S	S.D. V M/S	M/S	S.D. WS M/S	SKEN MS	NUBS
.111	-3.66	2.65	.2808	30	1.92	4.51	1.97	70.	4514
1.000	-3.00 -7.34	5.70	.2779	30	3.91	9.21	4.10	. 34 . 41	4514. 4960.
2.000	-6.11	5.70 5.23	.2526						
3.000	-5.67			.27	3.61	7.91	3.9√	.81	4976.
		5.09	.1967	. 38	3.72	7.59	3.80	.75	4973.
4.000	-5.27 -5.16	4.96	.1678	. 35	3.86	7.27	3.82	.85	4974.
5.000		5.10	.1228	.23	4.09	7.33	3.96	.90	4975.
5.000	-4.99	5.34	.0719	.20	4.37	7.45	4.13	.84	4961.
7.000	-4.35	5.43	.0238	12	4.42	7.22	3.99	.87	4944.
B.000	-3.42	5 .77	0198	39	4.51	7.07	3.94	. 8 9	4916.
9.000	-2.12	6.37	.0169	5 5	4.82	7.19	4.12	.92	4907.
10.000	99	7.06	.0842	47	5.18	7.68	4.36	.91	4887.
11.000	09	8.01	.1518	16	6.03	8.70	4.99	.91	4870.
12.000	. 44	8.76	.1862	. 04	7.01	9.76	5.55	. 92	4849.
13.000	. 39	9.28	.1670	08	7.78	10.54	5.98	. 94	4819.
14.000	37	9.37	.1414	41	8.13	10.74	6.24	. 93	4801.
15.000	-2.61	8.91	.1035	76	7.39	10.21	6.10	. 95	4740.
16.000	-5.82	7.44	0123	58	5.77	9.53	5.65	.90	4569.
17.000	-7.72	6.17	0336	48	4.39	9.62	4.98	.58	4186.
18.000	-8.69	5.61	.0439	47	2.94	9.64	4.80	. 35	4193.
19.000	-8.65	6.23	.0431	48	2.39	9.56	5.31	.42	4135.
20.000	-8.79	7.30	.0169	24	2.26	10.04	5.92	.49	4077.
21.000	-9.68	8.43	.0146	04	2.27	11.16	6.73	.43	3940.
22.000	-10.B4	9.14	0316	. 07	2.18	12.37	7.27	.43	3857.
23.000	-11.89	9.95	0465	.01	2.31	13.65	7.72	.40	3770.
24.000	-12.78	10.64	0413	05	2.50	14.73	8.13	. 35	3746.
25.000	-13.71	11.48	0375	04	2.35	15.85	8.62	. 30	3676.
26.000	-14.26	12.36	0239	02	2.70	16.73	9.13	.20	3539.
27.000	-14.66	13.49	0178	. 04	3.01	17.71	9.61	.13	3269.
28.000	-14.48	14.57	.0002	. 17	3.36	18.37	9.80	.19	3028.
53.000	-14.10	15.48	.0232	. 29	3.58	18.80	9.90	.28	2684.
30.000	-13.56	16.60	.0497	. 32	3.80	19.36	10.10	.32	1999.

	1	282		40S.	¥02.	409	4 10.	£10.	410,	410.	410.	.60 1	4 06.	±05.	405.	309.	738.	395.	335.	392.	203	360.	352.	336.	332.	256.	Š.	247.	307.	303.	300.	223.	. 161	. 171	167.
	1	108 2		502	1 02.	£09.	410.	£0,	410.	410.	410.	409.	1 06.		τος.	399.	386	395	392	365	3 8	360.	352.	336.	355	35	250	247.	307.	303.	300.	223.	191.	. 171	167.
	1	4 SBON		405.	40 2.	409 .	£ 0.	4 10.	410.	410.	410.	409.	406.	403.	4 0≥.	399.	398.	395.	395.	392.	389.	360.	352.	336.	332.	256.	220.	247.	307.	303.	300.	223.	191	171.	167.
	į	SKER D		Į.		19	.23	.33	.17	04	17	08	.15	10	00.	91.	12	39	57	31	13	17	20	25	51.	\$.	36	55.	.20	20	- 18	03	36	.55	20
	1	S.D. D	6/M3	6.6800	6.2810	5.1060	6 .0600	4.6040	3.9070	3.2880	3.3050	2 .6500	2.1650	1.8130	1.7180	1.3710	1.1490	1.2080	1.3500	1.4610	1.6190	2.1340	2.6970	2.0250	1.5927	1.0850	.8594	9969	5118	.4381	.4278	.3968	.3345	.3149	.2 785
IAMUARY	1	EAD O	G/H3	1169.0000	1157.0000	1058.0000	967.0000	671.7000	787.7000	711.4000	641.9000	577.4000	513.2000	465.6000	419.3000	375.8000	335.3000	298.2000	263.9000	231.7000	202.2000	173.8000	144.4009	117.1000	95.9800	79.5200	67.0000	56.4000	47.5900	40.4100	34.3400	29.2100	24.9200	21.2800	18.2100
7		- A.S.		₽.	81	₹.	60.	38	P.	.30	.08	01	.03	Ž .	٠. 1.	<u>o</u>	51.	02	- 19	%	-:-	¥. I	.23	.13	16	57	33	٠. و. ا	29	51.	60.	99.	51.	.30	.33
PARAMETERS.	1	5.0.	DEG K	\$ -	1.37	1.03	<u>-</u> 8	1.70	64.1	1.36	8	<u>ዱ</u>	 8	<u> </u>	1.18	1.18	S	<u>.</u> 8	1.4S	L+	1.67	2.15	9.90 90	9. 9.	2.75	P. 40	P.47	2.56	٠. الك	P. 28	2.15	2.10	9. 9.	64.9	
STICAL PAR	;	EAN -	2 2 2 3 3	298.67	238.10	292.43	288.33	284.76	273.46	17.873	267.88	361.97	\$.00°	7.8.3.	\$.0£	232.72	254.56	216.45	208.51	201.00	194.12	183.62	191.10	198.02	20 4 . 33	208.11	211.40	₽.¥.	216.7₹	218.74	220.70	222.51	254.32	<i>22</i> 6.09	65.755
MIC STATI		SOUTH TO		الآ	33	8	80.	9.	06	16	33	8	23	19	ë.	26	19	17	- <u>-</u>	- 09	- 09	=:	8.	60.	8	16	23	31	- 19	20	B7	07	8	55.	χi
THERRODYNAMIC STATISTICAL		S.O. P	P	2 .2299	2.2061	1.8907	1.6384	ある. -	1.5052	1.4706	1.4301	1.3250	1.3047	1.2377	1.2108	1.1534	1.1088	1.1079	1.0338	1.0046	.9271	4408.	. 130£	.6027	.5177	.¥308	.3832	3506	.3073	₹85.	.2673	7645.	.2181	. 1982	.173.
11,1		2	9	1012.5000	999.7500	902.8600	803.5300	713.8400	632.5700	553, 3300	493,8200	¥34,1300	280.7390	332,4900	283.EC00	331.9400	216.1600	185,2500	157.9800	133.7000	112.6700	9.5670	79.1910	66.5660	56.2920	47.7350	40.6530	3 4.6790	29.5040	25.3710	21.7510	18.6530	16.0473	13.8110	11.8330
TABLE	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	7	Ē	000	=	1.000	2.000 2.000	3.000	€.030	5.000	e .000	7.000	6.000	9.000	0.00	11.000	12.000	13.000	14.000	15.000	16.000	17.000	18.000	19.000	20.000	21.000	22.000	23.000	₹. 900	25.000	26.000	27 000	26.000	23.000	30.000

Kerra deservas appeados deservas aproparas appropria deservas acestralas arcesas appeados approprias.

	NOBS D		376.	377.	377.	378	378.	378.	378.	377.	37.4.	366.	366.	¥œ.	362.	300.	300	353.	M	346.	Ř	319.	317.	315	Ċ	2	ų, Š	293.	98	286.	215.	188.	165.	161.
	1 S80N		376.	377.	37	378.	378.	378.	378.	377.	374.	366.	366.	364 364	362	360.	355.	353.	349.	346.	Ϋ́ N	319.	317.	315.	<u>8</u>	20 30	ν. Σύ	293.	98.	286.	215.	<u>8</u>		161.
	A SBON		376.	377.	377.	378.	378.	378.	378.	377.	374.	366.	366.	364.	362.	360.	355.	353.	¥69.	346.	324.	319.	317.	315.	<u>.</u>	250.	יל ני	293.	288.	586	215.	188.	165.	161.
	SKEM D		8.	支.	06	.28	90.	. 12	.28	.13	.38	.31	.03	₹.	<u> </u>	19	٠. ٧	25	17	09	.23	. t	=	. 12	.35	. 22	.39	91.	.03	80.	3 <u>!</u>	85	<u>.</u>	.37
	S.0. 0	G/M3	6.0840	5.7630	4.8690	5.5080	4.9360	4.2860	3.6480	3.0920	2.5510	2.1870	1.6720	1.4670	1.3540	1.2200	1.2750	1.3130	1.4390	1.6830	2.2700	2.3910	2.0970	1.5900	1.0930	+699.	.6808	.4635	.3978	.4160	.3743	3447	.306	.2643
FEBRUARY	HEAN D	6/M3	170.0000	158.0000	0000.690	969.3000	872.8000	787.5000	710.9000	641.4000	577.8000	520.0000	1,67.1000	413.9000	376.3000	335.7000	298.4000	264.2000	231.9000	202.1000	172.4000	143.3000	117.1000	96.4300	80.0300	67.0300	56.4200	47.5600	40.3400	34.2600	29.1500	24.8200	21.1800	13.0900
=	SKEM 1																							.08										
A:ETERS.	S.D. T	DEG K	1.31	÷.	1.02	1.70	1.82	1.70	1.67	1.45	1.20	1.08	1.15	1.16	1.19	1.20	1.28	1.46	1.38	1.56	. 88.	e. 55	€.90	2.80	2.57	2.78	8.29 82.30	P.01	2·00	S.09	2.36	P. 49	2.39	2.59
ERMODYNAMIC STATISTICAL PARAMETERS TAGGAC	MEAN 1	DEG K	298.63	298.03	292.09	287.64	284.45	279.56	273.98	268.17	261.79	255.11	247.97	7.0.78 3.08	232.31	2 24 . 17	216.09	208.12	200.61	193.97	190.94	192,56	198.03	203.29	207.51	211.02	213.80	216.45	218.64	220.73	222.77	225.05	227.10	259.05
AMIC STATI	SKEM P		92	٦.87	30	23	13	= :-	60	31	20	გ.	13	19	17	13	= :	=:-	08	- O	.05	60.	51.	.03	₹.	10.	, O.	03	05	07	٦. اك	05	8.	80.
THERMODYN	S.0. P	£	2.1384	2.1149	1.8531	1.6659	1.5370	1.5120	1.5049	1.5361	1.4371	1.412 35	1.3546	1.2679	1.2172	1.1840	1.1554	1.0634	1.0209	.9173	.8381	5207.	. 5569	.4630	.4013	3698	.3370	8 1 65.	44.C5.	.2493	.2199	. 1997	. 1857	. 1637
11. 2	HEAN P	£	1013.1000	1000.4000	903.3200	803.8000	713.9+00	632.6500	559.4800	493.9500	434.2400	380.8000	332.5100	283.6100	250.9200	216.0000	185.0900	157.8100	133.5500	112.5500	94.4360	79.1800	66.5680	56.2620	47.6910	40.5950	34.6210	29.5460	25.3150	21.7050	18.6370	16.0360	13.8070	11.8940
TABLE	7																							20.030										

	NOBS 0		398.	396.	416.	416.	416.	416.	416.	415.	¥13.	£10.	409	404	405.	4 05.	399.	339.	395.	3 <u>5</u>	£1.	M	335	330 330	8	279.	279	330.	129	8 8	228.	197.	<u>-</u>	182.
	N085 1		398.	338	416.	416.	416.	¥16.	416.	415.	413.	410.	409.	₹	405.	₹0₽	399.	399.	395.		371.	Ж	352.	350.	281.	279.	279.	330.	ė,	328	828	<u>.</u>	<u>.</u>	285
•	9 S80N		398.	396.	416.	416.	416.	416.	416.	415.	¥13,	410.	409.	\$0 \$.	40S.	4 0≥.	399.	399.	395.	364.	371.	364.	352.	350.	æ	279.	279.	330.	329.	328.	22B.	197.	.¥.	182.
	SKEM D		Ķ	۳.	29	.13	19	. 15	ψį	07	12	8.	.05	20	20	15	04.1	- 56	٠. لار:	₹.	06	01.	91.	.07	55.	.18	80.	91.	.00	05	20	17	-05	91.
	8.0, 0	0/M3	5,7680	5.3310	4.4240	4.9120	4.5090	4.0230	3.7290	3.0620	2.4300	2.0740	1.8570	1.6740	1.4480	1.2360	1.2800	1.3370	1.6130	1.8710	2.3860	2.3790	1.7560	1.3270	9018	. 7620	.6546	.5560	8111.	.3818	3548	.3341	. 2845	.2882
HAPREIN	PEAN D	G/M3	1168.0000	1156.0000	1068.0000	968.3000	872.7000	787.5000	710.7000	641.2000	577.2000	519.3000	466.6000	419.4000	375.8000	335.4000	298.3000	264.2000	232.0000	202.4000	173.4000	143.7000	117.1000	96.4200	80.0300	67.1000	56.4100	47.5600	40.3300	34.2200	29.1100	24.8300	21.2600	18.1500
2	SKEW 1		±. ·	13	19	. 08	<u>ج</u>	09	10		18	06	03	01	9.	19	۳.	5	₹.	15	£.	ē	90.	Ķ	.20	=-	28	=	±.	.05	25	18	20	10.
PARAMETERS.	5.D. T	DEG K	1.33	52.1	.93	1.59	92.1	1.72	1.57	<u></u>	<u>1</u> .09	1.11	<u>*</u>	1.18	 KC	- 8	1.36	. . 5	. . .	1.66	2.18	٠. ب	2.3 3	<u>ቀ</u> .ማ	2.11	٠. ک	P. C0	۶.05 د	2.13	6 .0∂	ار ال	ر. کلا:	P. 69	2.78
STICAL PAR	PEAN 1	DEG K	299.01	298.39	285.32	287.88	264.36	279.52	274.04	368 33	262.04	255.47	ያ ያ	子0.7	232.81	224.61	216.48	208.45	200.30	194.08	190.06	192.35	198.32	203.63	208.05	2 3	214.45	217.15	219.46	221.93	224.15	226.27	757.87	259,83
THERMOONIAMIC STATISTICAL PA	SKEW		Ķ	ŗ.	26	23	21	17	13	20	<u> </u>	13	₹	호.	90.	11.	.15	.13	.12	.17	ų	.31	ж. Ж	.23	08	91.	91.	91.	05	09	16	- 18	60.	≛
THERMODYN	S.D. P	9	1.8826	1.8726	1.8020	1.6+87	1.5637	1.5633	1.5169	1.5324	1.4107	1.3529	- 25.E	1.1946	1.1407	1.1329	1.1404	1.0626	1.0210	.9218	.8153	.6663	. 5583	.478t	.4030	379	.¥.96	3752.	8	. 2383	.2163	1161.	. 1749	. 1663
11. 3	HEAN P	2	1012.9000	1000.1000	903.1300	803.6600	713.8700	632.6000	559.4500	493.9200	434.Pt00	380.8500	332.6400	289.8100	351.1700	216.2700	185.3600	158.0700	133.7800	112.7700	94.6120	79.3010	66.6670	56.3570	47.7330	40.6950	4.7170	29.6420	25.4050	0767.15	18.7280	16.1300	13.9060	11.9900
TABLE	2	₹	900	. 111	1.000	2.000	3.000	4.000	5.000	6.000	7.000	8. COO	9.000	10.000	11.000	12.000	13.000	14.000	15.000	16.000	17, 300	18,000	19.000	20.000	21.000	3 2 000	23.000	Pt. 390	25.000	26.000	27.000	ਨੇਏ. 000	29.000	30.000

			1866	391.	396	393.	399.	399.	399.	399.	398.	397.	396.	396.	396.	39t.	393.	393.	390.	390.	369.	362.	351.	348.	%	279.	276.	315.	N	316.	218.	161	167.	<u>ਤ</u>
	2005		388.	391.	399.	399.	399.	399.	399.	399.	398.	397.	396.	396.	396.	394.	393.	393.	390.	390.	369.	362.	351.	348.	285.	279.	276.	315.	35. 13.	316.	218.	1 0	167.	<u>.</u>
	9000	9	388.	391.	399.	399.	399.	399.	399.	399.	398.	397.	396.	396.	396.	394.	393.	393.	390.	390.	369.	362.	351.	348,	282.	279.	276.	315.	321.	316.	218.	191.	167.	154
	מינות מינות		51.	Ξ.	- 30	08	.35	2	- 09	- 06	18	.07	10.	٠. هي.	23	8	70	-1.12	58	07	=	٠. پو.	89.	05	12	10	- 08	00.	 8	Į.	08	-, 19	<u>.</u>	9.
	6	C/H3	5.1530	4.8200	3.9200	۴.1990	3.5780	3.6340	3.1500	2.8160	2.5590	2.4100	2.0690	1.7860	1.4890	1.0830	1.2550	1.3700	1.8190	2.0140	1.9540	1.7910	1.5650	1.2420	9197.	.6502	4129.	.5646	.4955	.4185	. 3251	.2856	24.75	.2226
ת הור		6/M3	164.0000	152.0000	065.0000	967.0000	873.8000	783.6000	711.3000	641.5000	577.6000	51.3.6000	466.9300	419.6000	376.1000	335.3000	298.0000	263.7000	231.3000	201.1000	171.8000	143.5000	117.2000	96.1400	79.7700	665.9300	56.3700	47.5600	40.3000	34.2200	29.1100	P4 . BRIDD	21.3100	18.2600
₽			12 1		_						_							_				_		_				_	Δ.				_	
AMETERS.	÷	X 500	 82:	1.22	6	1.30	1.36	3.	1.30	1.18	1.17	<u>.</u>	ا ک	· -	<u>.</u> ਲ	1.17	1.16	1.23	1.33	1.71	2.05	ณ์ ณ	P. 28	P. 35	₽.0¥	2.17	ი. მე	2.01	2.16	ų ų	2.17	2.55	₽. £9	<u>د</u> ع
STICAL PAR	F 242	DEG K	259.75	239.10	292.88	288.23	284.00	279.14	273.73	268.04	261.76	255.10	247.98	X : X	232.39	224.37	216.38	208.51	201.31	195.27	191.95	192.86	198.51	204.73	209.38	212.72	215.66	218.51	221.31	223.95	226.05	2,-0.45	230.28	232.33
MIC STATI	מאנות	5	58	5	56	39	21	10	05	02	05	15	23	26	3.	54	- 36	35	36	35	- -	26	18	08	10.	98.	8.	8.	₹	75.	06	19	£	20
STOCKE STATE	TAGUAC	9	1.5163	1.5174	1.4118	1.2439	1.2131	1.255 4255	1.202.1	1.1504	1.0838	1.0583	1.0430	.9903	7166.	.9839	.9732	8918	8688	.7.te	. 6923	.6312	.5350	4817	+ 00+.	3345	3588	. 3223	.2731	9369	.2103	. 1885	. 1688	. 1529
÷	2/1217 12/12/14	2	1012.4000	999.6300	903.0500	803.7900	714.0000	632.6100	559.3300	493.7900	+3+.0800	380.6400	332.3900	289.5300	250.8600	215.9700	185.0800	157.8400	133.6400	112.7000	94.6750	79.4120	66.7940	56.4930	5.45	40.8650	34.8970	29.87.80	25.6020	21.9970	16.9370	16.3180	14.0860	12.1750
	2141CN	. ₹	.000		1.000					6.000	7.000	8.000	9.000	10.000	11.000	12.000	13.000	14.000	15.000	16.000	17.000	18.000	19.000	20.000	21.000	≥ 2.000	23.000	₹.000	25.000 1000	28.000	27.000	2G.000	29.000	30.000

	0 SBQN		396.	405.	406.	4 06.	406.	405.	405	403.	403.	10	400	399.	373	397.	ď.	8	335	39!	3 6.8	32.	9 +0.	335.	Ŕ	Ŕ	8	ζ. Έ	310.	305.	205.	182	151	130.
	NOBS 1		396.	. 68	,	.	. 00	. 65	. 65	403.	403.	401.	4 00.	399.	399.	397.	39.	3 <u>6</u>	336.	391.	359.	Ж	340.	335.	X	33	20 20	٠ ۲	310.	305.	205.	185	151	130.
	NOBS P		396.	. 40₽.	. 00	406.	+ 06.	405.	405.	403.	403.	¥01.	, 00	399.	393.	397.	394.	3 <u>9</u> £.	392.	391.	359.	324.	340.	335.		<u>.</u>	220.	27¥.	310.	305.	205.	182.	151.	130.
	O MEN		01.	60.	-05	13	04	32	20	18	31	28	16	33	60	€4	57	65	٦.	03	05	<u>.</u> 0.	07	50.	80.	<u>د</u> .	15	- 09	80.	94.	SS.	08	.17	5.
	8.0.0	0/M3	6.4140	5.9740	4.0530	3.8930	2.9800	3.0050	3.2520	2.6780	2.3230	2.1700	1.9230	1.6540	1.5130	1.3180	1.4216	1.6730	€.00B0	2.2160	1.8760	1.8350	1.6190	1.2050	.8349	5057.	.6925	.5781	5574.	7714.	.3255	.2765	.2532	.2136
HAY.	PEAN D	G/H3	1161.0000	1149.0000	1062.0000	964.6000	872.8000	789.5000	712.7000	642.4000	578.2000	520.0000	467.1000	419.8000	376.1000	335.5000	238.2000	263.7000	230.8000	200.2003	170,5000	142.1000	116.3000	95,6500	79.8-00	67,1600	56.6100	47.7900	40.6300	¥.400	29.4600	25.1500	21.5200	18.4900
r	SKEN 1																							90.										
AMETERS.	S.D. 1	DEG K	. .	1.50	16.	1.12	1.05	1.07	<u>-</u> .	1.21	1.14	1.27	1.37	- 24	1.31	1.27	 82.	<u> </u>	1.57	<u>s</u>	36.1	. £	2.70	2.30	- - - -	<u></u>	2.03	P.01	- - - - - - -	2.16	2.16	2.10	2.27	ب بر
ERMODYNAMIC STATISTICAL PARAMETERS TAGUAC	MEAN T	DEG K	300.25	239.65	293.63	288.81	284.15	278.70	273.16	267.57	261.41	98. -7.	247.73	2+0.08	232.16	254.01	215.97	208.22	201.47	136.05	193.53	195.18	200.93	206.98	210.75	213.75	216.74	219.52	2 21.9₽	224.29	226.26	27.8.48	230.57	252.16
MIC STATIS	SKEW P		16:-	91	•	77	59	. 45	. 35	- 08	01	12	12	÷	19	- 19	13	07	03	05	13	09	25	16	20	*	07	≛.	-10	12	10	- 06	10	١٠.٢
THERMODYNA TAGUAC	S.D. P	9	1.5345	1.5205	1.4543	1.2671	1.2027	1.2241	1.1687	1.0708	1.0351	1.0756	1.0950	1.0733	1.0480	1.0278	1.0148	.9276	86.68	.7871		. 5886	.5021	.4513	.3313	. 3 569	. 3063	8-66	. 2 324	.2117	. 1830	6.31.	. 1522	. 1395
11. 5	FEAN P	£	1011.8000	999.1200	902.8500	803.7800	714.1800	632 .8300	559.5300	493.7300	433.9900	380.5000	332.2100	269.3200	20. 9. 20	215.7400	184.8500	157.6100	133.400	112.6230	94.6650	79.5930	67.0440	56.8290	18.2940	41.20:40	35.2190	30.1:20	25.8630	25.2330	19.1320	16.4960	17 2 35 10 2 4 55	12.3170
TABLE	7	Ē	000	=	1.000	S. 000	3.000	¥.000	5.000	6.000	7.000	8.000	9.000	10.000	11.000	12.000	13.000	14.000	15,000	16.000	17 009	18.000	19.000	20.000	21.000	25.C00	23.000	24·000	N. 63	26.000	27.000	28.00 0	23.000	30.000

TABLE	.i. 6	THESHOOMA	MIC STATIS	STICAL PAR	AMETERS.		JUNE					
201415	912170	TACUAC										
7	FAN P	s.o. 9	SKEM P	FEAN 1	S.D. T	SKEM 1	HEAN O	S.D. D	SKEW D	4 SBON	NOBS 1	O SHOW
Ē	P	£		DEG X	DEG K		G/M3	G/M3				
_	011.5000	1.1695	\$ \$. 	300.42	₫. -	07	1160.0000	6.5680	.13	£01.	£03	503
	998.7100	1.1584	٦. ال	239.80	- 8	60	1148.0000	6.0540	51.	407	407	407
	902.6300	1.1334	84	294.05	69.	02	1060.0000	2.9210	8	409	£0 1	£03
	803 .7000	1.0.1	-,55	298.83	6.	<u>.</u>	963.8000	2.9390	0	2.0	, o	9
	7:4.1400	9806	¥	283.99	86	.07	872.8000	2.7623	55.	603	604	409
	632.8100	1.0876	. t	278.55	1.00	₹0. ·	789.5000	2.3320	03	, 603 -	¥09.	409
	559.4900	1.0475	64	272.79	1.02	12	713.3000	€.4060	05	£09.	£09.	£03
	493.6100	1.0063	5¥	267.23	1.12	25	642.9000	2.3620	-0.	£09.	409	₹03
	433.8C00	1.0384	54	261.25	<u>.</u>	27	578.2000	1.8560	03	£08.	£08.	£09
	380.3800	1.0750	53	£. 5	1.1	28	520.0000	1.7470	= :	407.	407.	407.
	332.1100	1.195	94	2-7.58	1.23	Ţ.,	467.2000	1.5570	54	406.	406	406
	269.1700	0.40.	38	239.89	1.23	16	413.9000	1.3910	₽.	406.	, 106	505
000.11	250.4500	1.0689	54	231.82	1.26	25	376.4000	1.2620	38	406.	¥06.	406.
	215.5200	1.0653	-, 31	223.53	-: %	03	335,9000	1.1100	36	\$0\$, 1 0+	404
	184.5700	1.0713	23	215.32	 15	9.	298.E000	1.2650	53	£04.	5	£0.
	157.2900	1.0058	٠. دي.	207.35	 33	03	264.3000	1.4680	- 38	404	40+	204
	133.1400	.9639	23	200.53	1.7	90.	231.3000	1.86+0	٦. لئ	398.	398	398
	112.3400	. 8895 5089	17	195.76	₹. .v	36	199.9000	2.3720	8.	395.	395.	395.
	94.4640	.7710	- 09	196.00	ų. W	15.	167.9000	2.3650	23	363.	363.	36:
	79.6453	.659	08	199.58	ų. W	S.	139.0000	1.99:0	9	360.	360.	360
	67.3080	100 100 100 100 100 100 100 100 100 10	٠. دي.	204.33	P. 06	91.	114.8000	1.4480	19	349.	340.	3.9
	57.1580	4764	27	208.42	-	.07	95.5500	1,0690	<u>₹</u>	345.	345.	ų Š
	19.64.0	6904	- - -	211.58	- 85	01.	80.0900	. 8343	60.	253.	253.	£3.
	41.5310	. 3661	=	214.43	- 8	05	67.4800	.7661	- 16	250.	250.	920
	35.5040	.3168	61.	216.89	1.81	90.	57.0300	.6724	.03	247.	247.	7.7.
	30.3580	. 3059	06	2:8.35	 89. –	02	48.2400	.5848	2.	260.	260.	, 200
	26.0530	.2453	10	221.72	1.81	05	40.9500	4707	21	321.	351.	Š
	22.3340	.2157	06	223.78	16.1	85	34.8600	.4103	03	320.	320.	200
	19,2650	.189∗	=:	22 ¹⁵ . 70	1.83	26	29.7400	3353	00	216.	216.	216.
	16.6110	. 1739	09	55.7.85	و. وي	90.	25.4000	. 5043	02	181	181	191
F3.000	14,3340	.1563	17	229.31	14.5	84, -	21.7800	2692	0.	150.	3	150
30.000	12.3900	. 1464	17	230.61	₽.43	đ	19.7200	2239	202	₹	3	7

	OSEON		€ 20.	450.	4 51.	423.	423.	423.	423.	420.	4 18.	¥16.	416.	415.	414.	413.	412.	409.	400.	345.	360.	356.	346.	ų.	227.	. 125	217.	275.	2 ³ 9.	Ž	225.	183	155.	123.
	T SBON		ź	<u>چ</u>	₩.	423.	423.	423.	423.	4 20.	4 18.	416.	416.	415.	<u>*</u>	£ 3.	412.	£0 1	400 .	395.	360.	356.	346.	Met.	227.	221.	217.	555.	28 28	75. 75.	225.	68	<u>18</u>	123.
	d SBON		ŁŻĠ.	420.	¥21.	423.	423.	423.	423.	420.	4 18	416.	416.	415.	2 3	<u>+</u>	412.	409.	£00.	395.	360.	356.	346.	14. 14.	227.	2 21.	217.	225.	29 8 .	₹2	225.	189.	155.	123.
	O HEAD) : :	8	01.	51.	20.	.39	. 15	12	S	8.	.15	.33	61.	.03	38	68	61	, ,	35	.61	7 .	;	9	9	88.	31	91.	<u>.</u>	27	60.	. 13	60.	94.
	0.0.0	6/M3	7.6930	7.1410	3.2870	3.2760	2.8350	2.5+60	2.5250	2.4710	2.3740	2.1720	1.8430	1.5830	1.3870	1.1520	1.2650	1.5230	1.9310	2.8630	€.6440	1.6660	1.1910	+096.	.7750	.7480	.6543	.5389	1551.	.3938	.3135	.2821	ر 14.	.2057
JLY.	ONT	6/H3	1160.0000	1148.0000	1059.0000	962.5000	872.0000	769.4000	713.1000	642.5000	577.9000	519,6000	466.7000	419.4000	376.0000	335.8000	296.6000	254.4000	231.7000	200 . 1000	156.2000	137.6000	114.3000	95.5+00	80.1700	67.6700	57.2300	48.4300	41.1800	35.0400	29.8000	25.5000	21.8±00	18.7500
5	SKEW		.03	20.	33	90.	35	- 08	25	9	3.	27	37	06	09	08	9	.37	ĸ.	8	- 56	15	. 15	.03	9.	01	=:	£4.	60.	₽.	8	80.	- 18	6
PARAMETERS.	S.D. T	DEG K		1.71	۲.	88.	8.	ë	88.	8	1.07	1.16	1.20	Ţ.	1.30	 8	. 38	19.1	1.85	9.58	€.60	.	1.81	8 8.	.	. 8	 8	- 8.	- 85	- 66	1.97	2.17	R.47	€.58
STICAL PAR	HEAN T	DEG K	300.11	299.48	29t. 15	289.86	263.88	278.22	272.52	267.02	261.09	79. 40	ያ. ሜ	239.97	231.83	223.41	215.07	206.95	199.79	195.11	197.85	201.69	205.57	208.93	211.78	214.15	216.45	218.83	2 20.89	2 22.90	224.72	226.79	228.24	859.51
THERMODYNAMIC STATISTICAL P	SKEW P		07	05	06	89.	60.	05	05	. 28	ĸ	62.	19	±.	<u>*</u>	.00	<u>.</u>	ġ.	.13	8	ų.	.35	<u>.</u>	8 .	02	.03	01.	90.	<u>*</u>	61.	91.	6.	C2	. <u>.</u>
WYCOMPIGHT	S.D. P	9	1.8332	1.8140	1.7148	1.5224	1.3680	1.3373	1.2767	1.0943	1.0649	1.0105	1.0012	. 9958	1996	.9876	1.0064	さま.	.8967	.8215	.6951	.6070	3774.	1649.	.3738	.3312	300€	1475.	. 2337	.2117	9161.	.1756	. 1659	1551.
11. 7	ŀ	£	1010.6000	997.8800	901.9400	803.0300	713.6300	632.3×00	553.0800	493.1900	433.5100	380.0200	331.8000	288.9000	250.2300	215.3300	184.3600	157.0800	132.9000	112.0800	94.3530	79.6810	67.4260	57.2930	48.7320	41.5950	35.5560	30.4:90	2 6.1070	22.4200	19.2540	16,5330	14.3100	12.35.0
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	e Sour		417.	¥18.	6 7	¥21.	421.	¥21.	421 .	421.	4 18.	417.	416.	±15.	415.	<u>.</u>	413.	413.	. 60₽.	405.	368.	358.	351.	348.	ร์ ชื่	2. 5.	₹ 9.	<u>8</u>	2 ₹	290.	187.	148.	<u>.</u>	5
	פאנות		08	05	<u>.</u>	٠. بر	61	62	60	76	70	72	67	59	L.47	33	26	54	73	C4	19:	.63	06	-,15	20	16	3.	27	<u>≯</u>	.00	.57	9	13	2
	c 0	G/M3	7.3760	6.9230	3.7080	3.5300	3.3270	3.1030	3.0860	3.0610	S. 9040	2.7030	2.4210	2 .1090	1.7420	1.4220	1.3140	1.3630	2.1180	3.3210	6040	1.5630	1.2100	.9610	7557.	6169.	.6167	.5509	.4487	.3788	3148	.2336	.2532	1038
JSUST	C NV	6/M3	1150.0000	1148.0000	1059.0000	961.9000	971.7000	788.8000	712.5000	642.0000	577.4000	519.1000	456.3000	419.0000	375.7000	335,6000	238.7000	254.7000	232,1000	200 . 2000	155.2030	137.7000	114.3500	95.7300	80.3600	67.8400	57.4400	48.6800	41.3600	35.1500	38.9000	25.5100	21.0300	16 2100
₹	CKFU 1		ĸ.	ĸ	64	10	05	.13	02	03	02	01.	.07	06	08	٠ ٣	29	03	61.	.38	78	16	<u>0</u> :	₹.	હ	05	. O2	.53	.65	.17	80.	81.	.03	900
AMETERS,	£	DEG K	1.71	1.63	8	6.	8.	8.	16.	6	01.1	1.28	04.	1.51	1.57	1.59	1.61	1.61	1.71	2.81	2.72	5.07	<u>-</u>	1.88	۲. T	1.83	- 88	<u>.</u>	2.01	2.20	2.31	2.39	2.4 4	C.
STICAL PAR	F AN 4	ב סב א	299.85	₹.662	294.15	289.88	283.79	278.21	272.58	267.10	261.23	₹. 150	247.90	₹6.88	232.14	223.67	215.22	206.94	199.69	195.22	197.9	201.82	205.67	208.72	21.62	213.97	215.89	217.74	219.70	221.88	223.90	225.70	227.25	528 R4
MIC STATIS	OKEN B		-1.43	•	٠		-		•																									
THERMODYNA	TAGUAC	£	8.25.5	2.2302	2.1253	1.8933	1.6914	1.6008	1.4063	1.1903	1.0645	<u>8</u> .	.9135	. 9320	17.50	0+66.	1.0396	1.0109	.9240	.8039	62.83	. 5583	.4880	. 4390	.3810	. 31 67	. 3089	.2916	.2360	. 22:30	0651.	. 1766	. 1616	1554
11. B	0/10/15 =	2	0002:010	997.5800	901.5300	802.7800	713.4200	632.1400	558.9500	493.1000	433.5000	380.0800	331.9100	28 3.0100	250.3600	215.4900	184.5500	157.2300	133.0400	112.1800	94.4170	79.7-00	67.5020	57.3510	49.8150	41.6660	35.5950	30.4250	26.0830	22 . 3930	19.2050	16.5390	14.2430	12,2300
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11.9	THERMODYNA! TAGUAC	MIC STATIS	STATISTICAL PARANETERS	JE TERS,	v	SEPTEMBER					
	S.O.	а наж	PEAN T	S.D. T DEG K	SKEM 1	MEAN D	S.D. D G/M3	SKEM D	NOBS P	NO85 1	O SHOW
	2.3088	-1.49	300.05	7	06	1160.000	7.6990	.23	398.	938	8
	2.2827	84.1-	239.41	 8	07	1:48.0000	7.1920	.22	399.	399.	23
	2.1712	-1.29	3. 3.	£.	33	1059.0000	3.6950	55	5 01.	. 104	?
	1.8693	đ. 1-	8	6.	Ø.	961.5000	4.0430	-1.07	403.	403.	403.
	1.6497	-1.19	. 84.03	8.	01	871.4000	3.6050	83	403.	403.	403.
	1.5702	85	278.33	8	26	788.9000	3.1690	.78	403.	403 .	403.
	1.3952	63	272.59	88.	03	713.0000	3.1650	83	403.	403.	403
	1.1692	94.1	267.03	1.03	9.	642.6000	2.9840	76	403.	403.	403.
	1.1038	19	261.15		ų.	578.0000	2.7380	67	403.	403.	403.
_	1.0149	±	24.73	1.22	ĸ	519.7000	2.5850	- 58	403	403.	403.
_	.9987	05	247.68	1.37	9.	₩66.8000	2.3610	¥	4 02.	τος.	405.
	.9486	00.	2 €0.12	3 .	01	419.3000	2.0193	38	400	£00.	400.
_	.9593	03	232.00	1.47	₹ •	375.9000	1.6840	36	₹00°.	* 00	+ 00
	.9900	09	223.56	1.45	06	335.8000	1.3020	37	399.	399.	399.
	1.0121	13	215.18	1.43	03	298.8000	1.3000	8 7	397.	397.	397.
	.9608	13	207.06	1.57	80.	264.5000	1.5070	-1.18	, 393.	393.	393
_	.9003	08	200.00	1.70	94.	231.7000	2.0040	5.75	391.	391.	331.
	.8136	.03	195.36	2.49	16	200.1000	2.6870	5.	388.	388	388.
	.6385	.03	196.47	2.80	52	167.4000	2.5550	%;	Wet.	4.	Met.
	.6231	60.	200.30	2.10	01	138.5000	1.6990	91.	334.	3 4 .	334.
	5443	05	204.38	2·00	38	114.7000	1.2460	-05	323.	323.	23
_	.4878	07	207.76	£.	<u> </u>	95.8200	1.1-g.	01	321.	32.	ğ
_	.4337	61.	210.90	1.78	51.	80.2330	. 7858	10	226.	5 56.	526.
_	.3800	-15	213.12	2.01	ŧ.	67.7500	.7831	- 16	220.	220.	2 20.
_	¥91	.17	215.16	- 8	60.	57.3300	6183	04	216.	216.	216.
_	3248	rs.	217.22	₹. •	03	48.4800	.5858	.03	239.	239.	239.
_	1082	ų.	219.63	-88	06	41.1400	8111	.07	286.	982	286.
	282	.20	251.7	2 .00	17	34.9650	.359	9 <u>8</u> .	285.	99	385.
_	. 2256	84.	223.95	<u>ئ</u> س	90.	23.7500	.3398	.5	183.	183.	183.
16.4570	.2013	60.	226.07	2. I4	. 15	25.3600	3048	ų	149.	<u>.</u>	<u>.</u>
_	. 1715	.30	228.38	7. č	16	21.6600	.2837	3 .	127.	127.	127.
	1535	91	63,026	φ 1 , Λ	07	18.50	2332	- 15	ž.	100	Ę

HEAN P S.D. P SECH P HEAN I S.D. P SCH P HEAN I COTA I	TASLE 11. STATION = 91	2170	THE RHOOTNAN TAGUAC	41C STATIS	C STATISTICAL PAPAMETERS	AMETERS,	8	OCTOBER					
1010. 9000 2.1000 -1.113 300.07 1.6506 1159.0000 7.1810 .22 9.06 906. 906. 907. 907. 907. 907. 907. 907. 907. 907		A S	S.O. 8	SKEM P	FEAN T	S.D. 1	SKEH 1	KEAN D	S.D. D	SKEM D	NOBS P	NOBS 1	SBON
901.7500 1.9094 -1.11 299.45 1.5909 1149.0000 3.6660 -1.23 410. 407. 407. 901.7500 1.6904 -1.11 299.47 1.92 6.20 1.9004 -1.11 299.47 1.92 6.20 1.9004 -1.11 299.47 1.92 6.20 1.9004 1.11 299.47 1.92 6.20 1.9004 1.11 299.47 1.92 6.20 1.900 3.7410 -1.46 411. 411. 411. 633.4900 1.3790 1.3790 -1.96 73.02 1.07 2.92 7.06 3.7410 -1.65 411. 411. 411. 413.6900 1.3790 1.3790 -1.96 73.02 1.07 2.92 7.06 3.7410 -1.65 411. 411. 411. 411. 413.6900 1.3790 1.2199 -1.90 259.2900 1.2199 -1.90 259.2900 1.2199 -1.90 259.390 -1.00 259.39 -1.00 259.30 1.00 259.990 -1.00 259.30 1.00 259.990 -1.00 259.990 -1.00 259.990 -1.00 259.990 -1.00 259.990 -1.00 259.990 -1.00 259.990 -1.00 259.990 -1.00 259.990 -1.00 259.990 -1.00 259.990 -1.00 259.990 -1.00 259.990 -1.00 259.990 -1.00 259.990 -1.00 259.990 -1.00 259.990 -1.00 259.990 -1.00 259.990 -1.00 259.990 -1.00 259.990 -1.00 259.990 -1.00 259.990 -1.00 259.990 -1.00 259.990 -1.00 259.990 -1.00 259.990 -1.00 259.990 -1.00 259.990 -1.00 259.990 -1.00 259.990 -1.00 259.990 -1.00 259.990 -1.00 259.990 -1.00 259.990 -1.00 259.990 -1.00 259.990 -1.00 259.990 -1.00 259.990 -1.00 259.990 -1.00 259.990 -1.00 259.990 -1.00 259.990 -1.00 259.990 -1.00 259.990 -1.00 259.990 -1.00 259.990 -1.00 259.990 -1.00 259.990 -1.00 259.990 -1.00 259.990 -1.00 259.990 -1.00 259.990 -1.00 259.990 -1.00 259.990 -1.00 259.990 -1.00 259.990 -1.00 259.990 -1.00 259.990 -1.00 259.990 -1.00 259.990 -1.00 259.990 -1.00 259.990 -1.00 259.990 -1.00 259.990 -1.00 259.990 -1.00 259.990 -1.00 259.990 -1.00 259.990 -1.00 259.990 -1.00 259.990 -1.00 259.990 -1.00 259.990 -1.00 259.990 -1.00 259.990 -1.00 259.990 -1.00 259.990 -1.00 259.990 -1.00 259.990 -1.00 259.990 -1.00 259.990 -1.00 259.990 -1.00 259.990 -1.00 259.990 -1.00 259.990 -1.00 259.990 -1.00 259.900 -1.00 259.900 -1.00 259.900 -1.00 259.900 -1.00 259.900 -1.00 259.900 -1.00 259.900 -1.00 259.900 -1.00 259.900 -1.00 259.900 -1.00 259.900 -1.00 259.900 -1.00 259.900 -1.00 259.900 -1.00 259.900 -1.00 259.900 -1.00 259.900 -1.00 259.900 -1.00 259.900 -1.00 259.900 -	000 1010.	4000	2.1000	-1.13	303.07	1.65		159.0000	7.1810	55.	406.	£09.	406.
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632 0400 1.689 -1.04 899.06 -9.2 -61.800 3.7190 -5.5 411. 411. 713 6900 1.4796 -9.6 289.10 -9.4 673.00 3.4110 -6.6 411. 411. 552 4900 1.3713 -9.6 -9.4 673.02 1.07 -3.6 712.200 -6.6 411. 411. 493 4900 1.0768 -3.5 267.49 1.11 -1.4 641.800 3.2020 -6.6 411. 411. 493 4900 1.0548 -1.0 261.400 3.2020 -6.9 411. 411. 493 4900 1.0548 -1.0 261.400 3.1230 -7.8 410. 411. 390,4000 262.32 -1.0 261.400 2.9490 -1.2 519.500 2.9490 -1.0 40.5 280,4000 262.32 -1.1 -1.1 -1.1 -1.1 40.0 40.0 280,4000 262.32 -1.1 -1.1 -1.1		7500	1.9048	-1.11	2 . 2	8		058,0000	3.8660	23	410.	£10.	£
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632-9300 1,371 -,68 779 67. 1,02 35 788,4000 3,3410 -,68 411. 411. 959-2900 1,2198 -,94 273.02 1,107 -,18 712.00 3,1230 -,58 410. 411. 433.4900 1,598 -,10 261.44 1,29 -,25 577.6000 3,1130 -,78 401. 411. 433.4900 1,058 -,10 261.44 1,29 -,25 577.6000 3,1130 -,78 409. 409. 332.1700 1,0578 -,10 279.93 -,10 279.93 -,10 409. 409. 409. 289.2500 1,077 -,279.93 1,53 -,10 410.93 400. 400. 400. 289.2500 1,151 -,07 223.87 1,61 -,10 411.87 400. 400. 115.7400 1,560 -,10 411.83 -,10 400. 400. 400. 115.7400 1,560		6900	1.4796	96.	38. TO	ā .		871.3000	3.4110	94	<u>.</u>	÷	<u>+</u>
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943.4900 1.0568 35 æ57.49 1.11 .14 641.8000 3.1230 89 410 410 433.4900 1.0568 35 æ57.49 1.129 125 577.6000 3.1190 76 409. 433.6500 .8033 10 æ77.84 1.67 09 466.8000 2.980 -1.10 405. 3322.1700 1.0275 01 æ77.84 1.67 09 466.8000 2.980 -1.10 405. 289.5500 1.0578 07 222.17 1.76 09 466.8000 2.6990 11 407. 407. 259.5500 1.1072 07 222.17 1.76 09 496.800 31 401. 407. 407. 259.5500 1.1517 07 222.17 1.76 09 286.5000 1.107 407. 407. 115.7600 1.1528 07 20.06 2.985.5000 1.107 401. 401. 4		2300	1.2198	\$ · ·	273.02	1.07		712.2000	3.2020	69	<u>:</u>	=	<u>=</u>
4.33.6500 .9799 -110 261.44 1.29 -25 5577 6000 3.1190 -76 409. 409. 380.7000 .9623 .10 254.93 1.50 -12,519.5000 2.9950 -1.99 407. 407. 280.7000 1.0276 .10 247.84 1.50 -1.10 419.5000 2.5980 -1.10 407. 407. 280.7500 1.0276 .00 240.16 1.74 .10 419.5000 2.5980 -1.10 407. 407. 280.7500 1.0278 .00 240.16 1.77 1.03 408.6000 2.5190 409. 409. 180.7500 1.0071 .00 240.16 1.77 1.05 30.0 407. 407. 407. 180.7500 1.1072 .00 22.0 1.00 2.218 1.01 407. 408. 407. 407. 407. 407. 407. 407. 407. 407. 407. 407. 407. <td< td=""><td></td><td>4900</td><td>1.0568</td><td>35</td><td>267.49</td><td>1.13</td><td></td><td>641.8000</td><td>3.1230</td><td>. 89</td><td>410.</td><td>¥10.</td><td>£10.</td></td<>		4900	1.0568	35	267.49	1.13		641.8000	3.1230	. 89	410.	¥10.	£10.
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11. 11	MEAN D	9	900	907 700	901.5900	802.9400	713.5600	632.4900	559.3100	493.6100	433.9800	380.5900	332.5700	289.4300	250.8500	216.0200	185.1500	157.8800	133.6700	112.7000	94.6500	79.4300	66.8210	56.5830	48.0010	40.9170	¥.9+00	29.8390	25.6110	21.9950	18.8990	16.2880	14.0550	12.1300
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	S.D. D	G/H3	5.5460	5.2260	4.4030	4.4310	3.7730	3.6720	3.0370	2.7100	2.4760	2.2600	1.9860	1.7020	1.4410	1.2190	1.3080	1.4610	1.6230	1.6510	1.7920	2.3060	1.8650	1.4220	1.0200	.8270	.6800	. 5289	4705	4416	<u>=</u>	3408	.2939	.2433
DECEMBER	MEAN D	6/M3	1164.0000	1152.0000	0000.4901	964.8000	871.8000	787.7000	711.6000	642.1000	578.1000	520.0000	467.2000	419.9000	376.2000	335.7000	298.4000	264.1000	231.7000	202.0000	173.4000	144.1000	116.8000	95.7500	79.5400	66.7300	56.1500	47.4100	40.2600	34.2400	29, 1200	24.8600	21.2400	18.2200
8	SKEM 1		_		_	_							_		_	_		_	_			_		12		_	_	_		_			_	_
PARANETERS.	S.D. 1	DEG K	į.	1.19	86.	1.31	54. I	94.1	1.31	 89	<u>.</u> .	1.17	1.18	1.19	<u></u>	1.18	- 82:-	3	1.48	1.61	<u></u>	2.57	2.67	2.63	\$.v	e. 39	3	. 38	đ. N	2.53	2.50	2.45	2.97	3.08
STICAL PAR	EAN 1	DEG K	299.57	238.99	293.33	298.86	284.67	279.51	273.77	267.92	261.69	255.17	247.98	240.33	232.40	25. +25	216.12	208.20	200.81	194.14	189.72	191.37	198.41	204.73	209.00	212.39	215.59	218.06	220.26	222.30	224.47	226.39	228.36	229.78
THERMODYNAMIC STATISTICAL PATENTING	SKEN P		73	57	68	59	37	- 18	±01	.07	<u>.</u>	12	- 08	18	- 18	13	13	÷	16	15	.03	. 27	.20	91.	=:	60.	.30	.31	02	03	91.	.07	Ŕ.	۲
THERMOONN	S.D. P	₽	1.6543	1.6369	1.4619	1.2598	1.1681	1.1780	1.1597	1.1614	1.1034	1.0774	1.0408	1.0403	1.0017	.9762	.963⊭	, 606.	. 8 946	.8352	. 7809	. 7264	.5858	5268	.4286	.4021	.3826	. 3392	.3043	.2798	. 2398	.21 10	. 2002	. 1815
11 12	FAN P	9	1012.0000	g	902.7600	803.7400	714.1700	632.9500	559.7400	164 .0900	434.3300	380.8300	332.5700	289.6900	250.9900	216.0700	185.1300	157.8500	133.5500	112.5500	94.4380	79.1430	66.4880	56.2660	47.7170	40.5830	¥.780	29.6720	25.4560	21.8510	18.7620	16.1560	13.9250	12.0150
TABLE		₹	8	=	- 86.	2 [.] 000	3.000	£.00	5.000	9 .000	7.000	8.000	9.000	10.000	1.000	12.000	13.000	. 000 1€.	15.000	16.000	17.000	18.000	19.000	£0.000	21.000	22.000	23.000	8 %	39.88 88.88	36.000 36.000	27.000	38.88 8.88	29.000	30.000

COLUMN CONTROL CONTROL

	2000		4819.	4843.	4833.	+905	4304	4903	4903.	4835.	4879.	£049.	4837.	4818.	4807	4730.	47F6.	4757.	4707.	4677.	4239.	4215.	4059.	4054·	3061.	3017.	2936.	3359.	3643.	3614.	2500.	21 8 4.	1857.	1715.
	1864		4819.	4843.	4893.	4905.	+ 30+	4903.	4903.	4895.	4879.	4849.	4837.	4818.	4807.	4790.	4766.	4757.	4707.	4677.	£299.	4215.	4059.	+0°+	3061.	3017.	2386.	3359.	3643.	3614.	2560.	<u>2</u>	1857.	1715.
	0 2004		4819.	4843.	4893.	4905.	4064	4903.	4903.	4895.	4879.	484B.	4837.	4818.	4807.	4790.	4766 .	4757.	4707.	4677.	4299.	4215.	4059.	4054.	3061.	3017.	2986.	3359.	3643.	3614.	2560.	218t.	1657.	1715.
	200		.00	90.	ħ.	.	08	-, 30	₩	37	35	37	5ħ	60	6¥	28	51	65	51	94.	. 28	6.	65.	. 22	č .	-`01	8	.23	01.	Ξ.	5.	03	29.	.07
	C	G/M3	7.6520	7.2230	5.7530	5.0440	3.7950	3.4830	3.2790	2.9540	2.6340	2.4170	2.1360	1.8660	1.5780	1.2640	1.3320	1.5150	1.9050	2.5370	3.6090	3.3390	€.0080	1.2823	.9358	±0+8.	.7859	.6976	.5922	.5293	9094.	.4035	.3503	1355.
NNUA.	24	6/M3	1163.0000	1151.0000	1063.0000	964.5000	872.1000	788.4300	712.0000	6'+2.0000	577.7000	519.6000	456.8000	419.5000	376.6000	335.6000	298.4000	264 . 1000	231.6000	201.0000	170.5000	141.5000	116.0000	55.3100	79.9900	67.2400	56.7100	47.8800	40.6700	34.5530	29.4100	25.0900	21.4600	10.3700
₹	באנה ז	5	8	8	ナ ナ・ ・	L.47	EI.	Ŧ.	38	60.	=:	15	16	60'-	13	17	30	06	01	8 1.	.30	<u>\$</u>	05	27	33	₩.	13	<u> </u>	91.	8.	9	03	<u> </u>	05
PARAMETERS.	۲ د	DEG K	1.63	- -	1.17	南 .	 	1.35	- 5	 92.	1.21	. .	<u> 휴</u>	- 38 - 38	1.42	0 1 .	9 -	. 3	1.69	2.19	3.79	4.69	3.88	3.01	P.51	2.46	2.30	9. 3	2.33	2.43	2.53	2.63	88 	₹.
STICAL PAR	PE AN T	DEG X	299.71	299.10	293.48	288.65	284.2	278.92	273.28	267.62	£. 18	255.03	36.7.50	2±0.28	232.28	224.0+	215.85	207.86	₹00.67	194.93	193.23	195.70	201.17	206.13	209.80	212.77	215.43	217.88	250.05	255.55	224.50	226.66	228.50	230.08
AHIC STATI	a.	•	78																															
THERMOOVE	ACCAL P. P. P.	2	2.2076	2.1749	1.9009	1.6249	1.4642	1.4272	1.3372	1.2696	1.1895	1.1576	1.1299	1.1088	1.0953	1.0268	1.1042	1.0421	.9538	.8766	. 7523	. 684	.6386	.6246	5746	.5314	1484.	.4361	3859	. W 855	3090	.2759	82 82 82 82 82 83 83 83 83 83 83 83 83 83 83 83 83 83	.2327
11. 13	0/10/10 MEAN P	2	1011.5000	998.8000	902.4200	803.4000	713.8400	632.5800	559.3600	493.6300	433.9400	381.5000	332.2600	289.3700	250.7000	215.8000	194.8800	157.6000	123.3900	112.4800	94.5130	79.4500	66.9610	56.7400	48 .1670	41.0650	35.0680	29.9430	25.7110	22.0710	18.9580	16.3260	14.6720	12.1350
	2017	ξ	.00			€.000	_			6.000																								

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	NOBS TV			.	£ 08.	£0 3 .	¥10.	₹ 10.	£10.	£10.	4 10.	409	4 06.	405.	£05.	399.	338.	392	e Se	30	309.	360.	355.	336.	332.	S S S	93 93	247	307.	303.	300.	223	191	171.	167.
	NOBS TAP			40 2.	40s.	408 .	410.	¥08.	¥09.	¥09.	407.	+ 06.	+0+	101	38-	139.	ö	6	ö				ö	6		ö	ö		6	ó	ö	ö	ö	ö	0
	SKEW DPT			73	٠. ا	-1.14	52	98.	1.47	1.62	1.86	1.77	1.93	1.76	7.28	.	66 6.66	999.99	66.86	989.30	666.666	3 69 . 33	939.93	999.99	959.99	939.39	999.68	993,99	939.99	900.89	999.93	993.99	903, 99	937.39	993.33
	S.D. 0PT		DEG X	<u>ਨ</u>	- %	2.5B	9.20	9.49	8.13	8.13	77.77	7.23	₹ 6.0	7.29	8 . I	8.13	66 .66	66 · 66	99.99	99.99	88.88 88.38	93.99	93.99	99.99	98.98	99.99	66.66 66.66	96.98	99.99	6 6 .66	93.33	93.9 3	99.53	99.93	93.59
JANUARY	T T9430	FA	DEG K	295.50	28.95 95.95	288.70	275.90	262.33	25'4.23	248.17	2 1.8 1.8	235.76	258.96	222.20	215.65	210.16	838.88	999.99	939.9 3	939.99	939.99	939.99	939.99	6 66.666	999.99	939.66	939.99	999.99	883°88	993.99	939.99	993.99	939.99	993.33	833.83
	SKEH 1V			8	18	.07		. to	35	9.	.0 8	8	<u>6</u> .	23	01	<u>.</u>	.15	02	19	26	=:	15.1	.23	.13	- 16	57	33	21	29	51.	60.	.66	51.	.30	. 53
PARAMETERS	7	5.0.	DEG K	- - 56	1.50	1.15	<u>۲</u>	33:	54.1	1.33	 %	1.33	1.20	¥: :	61.1	- 18	 8	. 2	54.1	1.47	1.67	2.15	2.90	.8	2.75	2.40	2.47	2.56	P. 35	. 3 3	2.15	2.10	P. 9	2.49	٠. ئ
ATISTICAL	1	MEAN	DEG K	301.73	301.08	₹.	289.49	285.23	273.76	273.92	269.01	86. 1.88	255.46	248.28	\$6.0	232.72	224.56	216.45	208.51	201.00	194.12	189.62	191.10	198.02	204.35	208.11	211.40	214.24	216.74	218.7	220.70	252.51	254.32	<i>226</i> . 09	227.59
MOISTURE RELATED STATISTICAL TAGUAC	SKEH VP			C4	. £8	63	03	1.33	2.09	2.31	2.66	2.87	3.26	3.4t	2.37	2.33	999.99	6 66.66	933.99	999.99	66.666	933.99	666.666	939.99	66.666	66 6.88	66.66	999.33	999.99	999.99	933.99	937.99	930.99	996.39	973.93
MOISTURE TAGUAC	S.D. VP		£	5.475	2.361	2.733	4.638	3.054	1.716	1.178	.733	395	-219	₹.	.061	.029	66 .66	666.66	66 5'6 6	99.933	99.999	66,66	666.66	99.93	99.999	99.939	99.999	99.999	99.999	665.66	99,999	99,939	99.539	93.939	33.933
1111.1	VAPOR P	FEAN	£	27.10 4	26.203	17.859	9.764	3.513	1.773	1.082	.613	.335	.167	.085	. 243	.021	666 '66	66 6.66	66 6, 66	99.993	6 36.66	66 .388	99.399	666,66	99.899	6 56 . 6 6	66.663	665.66	99.939	99.999	66 6.66	99.939	89.999	93.993	92.933
TABLE	7		Ž	000.	==:	1.000	≥.000	3.000	4 .000	5.000	6.000	7.000	8.000	000.6	10.000	11.000	12.000	13.000	14.009	15.000	16.000	17.000	18.000	19.000	ຂັນ. 000	21.000	22.000	23.000	2⁴.000	25.000	26.000	27.000	28.000	29.000	30,600

SCHOOL DESCRIPTION MANAGEM AND PROPERTY AND PROPERTY OF THE PR

	NOBS 1V			376.	377.	377.	378.	378.	378.	378.	377.	374.	366.	366.	₹9+.	362.	350.	355.	353.	349.	346.	32€ 32€	319.	317.	315.	S	250.	2. 5.	293.	288	982	215.	188 188	165.	161
	NOBS 1+P			376.	376.	377.	378.	378.	378.	378.	375.	372.	364.	364.	324.	78.	-	ö	ö	ö	ö	ö		6	6	ö	ö	ö	ö	ó	ö	ö	ö	ó	0
	SKEW DPT			16:-	S	-1.60	76	.73	1.32	1.81	P. IT	2.48	P. 23	1.96	.5	<i>TT</i> :	999.99	66.666 600	999,99	939.99	939.99	8 69.88	66.666	66 .666	999.99	999.99	686.88	993.99	66.666	66.666	8 39.99	66.666	663.98	833°88	939.99
	S.D. DPT		DEG K	1.47	1.46	2.86	9.0°	9.26	7.7	6.91	σ. Σ	5.91	5.36	6.39	7.05	7.67	6 6 '66	6 6 . 66	66.66	99.99	6 6 . 66	6 6 · 66	6 6.66	66.66	6 6 . 66	66 . 66	66 .66	86.86 86	6 6 . 66	56 · 66	66 · 66	66.66	86.88	6 6.66	88.88
FEBRUARY	DEMPT T	FE AN	DEG K	295.31	294.73	288.37	277.32	262.53	254.55	247.81	241.14	234.29	227.59	220.98	214.10	203.6 ₄	999.99	6 6.666	666.66	6 6.066	666.666	989.99	999.39	6 66.666	999.99	666.666	939.99	6 6.666	8 83.99	66 .666	66.666	999.99	66 .666	6 66.66	909.09
	SKEH TV			30	- 26	٠. ن	57	- 09	07	27	¥₩. 1	37	23	.	06	15	16	15	15	15	ŧ.	28	£4.	.03	6 0.	۲. ۱	3.	27	¥1	07	23	=	<u>*</u>	05	6.
PARAMETERS	2	5.0.	OEG K	1.43	- 13	<u>+</u>	1.56	1.65	1.61	1.63	1.39	1.19	1.08	1.15	1.16	1.19	. 2 8	- 28 - 1	1.46	1.38	- 26	.38	2.55	2.90	. 2 .80	2.57	2.78	9.3 8	2.01	۶.90 9.	2.09	ر ال	P. 49	S. 39	P.59
	7	MEAN	DEG K	301.65	300.96	29.26 36.26	288.90	2898	279.85	274.16	268.28	261.83	255, 13	2.7.98 8.7.98	₹0.%	232.31	224.17	216.09	208.12	200.61	193.97	190.84	192.56	198.03	203.29	207.61	211.02	213.80	216.45	218.64	220.73	222.77	225.05	227.10	253.02
HOISTURE RELATED STATISTICAL TAGUAC	SKEW VP			60	63	82	01	1.28	2.10	2.87	3.16	3.85	+. S+	3.97	3.30	2.75	999.99	999.99	666 .66	999,99	939.99	66.666	999.99	666.665	66,666	999.99	936,99	66.666	999.99	993.99	993.99	66.666 600	993, 99	990,99	65 G6
MOISTURE TAGUAC	S.D. VP		£	. 32¢	2.234	2.879	4.252	838.2 838	1.567	.950	.569	.305	<u>=</u>	.092 260	7+0.	¥20.	666.66	66 6 . 66	666.66	99.939	66 .66	666.66	99.999	99.999	66 6.66	66.66	99.999	99.999	66.66	99.999	66 66	666.66	666.66	99.999	59.533
111. 2	VAPOR P	MEAN	9	26.788	25.842	17.531	9.230	3.506	1.761	.970	.527	₹92.	.126	.067	.032	610.	666.66	666.66	66 6.66	€ ₹.999	66 .66	66 .66	66 6.66	66 6.66	66 .66	66 .66	66.66	66 .38	66.66	66 6 . 66 6	656. 66	666 · 66	6 66 66	66 6 . 666	655.66
TABLE	7		₹	000.	. 111	1.000	2.000	3.000	€.000	5.000	6.000	7.000	8.000	9.000	10.000	11.000	12.000	13.000	14.000	15.000	16.000	17.000	18.000	19.000	20.000	21.000	22.000	23.000	24·000	2.000	26.000	27.000	26.000	29.000	30.00

	NOBS 1V			388	396.	416.	416.	416.	415.	416.	415.	413	410.	409.	40t	405.	405.	399.	399.	38	39t.	371.	364.	355.	350.	281.	279.	279.	330.	329.	328.	828	197.	į	183
	NOBS 1+P			398.	398.	*	416.	416.	15.	415.	41è.	<u>;</u>	409.	¥08.	389.	149.	'n	'n	'n	'n	6	ö	6	ö	ö	ö	ö	6	9	o	0		0	ö	_
	SKEW DPT			50	52	-1.37	7.1	Ŗ,	1.20	1.63	2.15	7.45 1.45	6.40	2·09	1.57	.70	999.93	66 6.66	999.99	663.66	66 6 . 66	909.99	999.99	989.99	66.666	939.99	999,99	939.99	939.99	959.99	989.98	999.99	66 666	939.93	50 503
	S.D. OPT		DEG K	¥	 32	2.82	8.85	14.01	8.81	8.13	7.18	6.56	6.66	6.88	7.64	9.60	99.93	66.66	66.66 6	66.66	66 .66	66.66	66.66 60	66.66	99.99	99.99	99.99	99.99	93.99	99.99	99.99	99.99	99.99	99.33	50
млесн	DEMPT T	HEAN	DEG K	295.55	294.96	288.34	276.90	263.93	255.30	248.66	241.39	234.64	228.29	221.50	214.95	211.11	939.9 9	666.666	66.666	999.99	939.99	999.99	939.99	999.99	999.99	999.99	66 6.66	939.99	9 33.32	939.99	66.666	999.99	660,086	930.99	ניטט ניטט
¥	SKEW TV			23	23	± ;	28	9.	08	08	21	12	0- 0-	02	01	90.	÷.19	۳	.15	<u>*</u>	21	¥4.	ð	90.	.32	۶. م	=	82·-	=	<u>\$</u>	8	22	18	٥٤٠-	ā
PARAMETERS	1	5.0.	DEG K	64.1	1.39	90.1	1.43	1.57	1.61	1.51	۲.:	1.09	01 . 1	<u>*</u> -	1.18	Ę.	£.	1.36	 3	¥.	1.66	2. IB	ψ. ψ.	2.39	٠. پ	2.11	ъ. З	٥٥. م	e.09	2.13	2.09	2.20	. 38 . 38	€3.4	6F C
	7	MEAN	DEG K	302.08	301.38	234.48	289.14	28·-38	279.86	2. 3.	258.37	262.09	255.49	9.85 35	20.3	232.81	224.61	216.48	208.45	200.90	194.08	190.06	192.35	198.32	203.63	208.05	211.29	214.45	217.15	219.46	221.93	224.15	226.27	227.87	213 1366
401STUPE RELATED STATISTICAL TAGUAC	SKEH VP			23	₹.	07	3 1	86.	1.83	2.36	2.93	3.61	3.42	3.45	2.82	1.96	999.99	66.666	999.99	933,99	938.99	939.99	993.99	999.99	66.656	939.99	666.	939.99	593, 93	939.93	939, 99	899.99	993.99	66 995	66,1459
MOISTUPE I	S.D. VP		₽	2.170	2.071	2.907	4.534	3.431	1.927	1.225	.675	.394	.222	.117	.060	.032	666.66	666.66	666.66 6	66 6 '636	656.66	83.999	656.66	666.65	6 66 66	6 3.638	6 66.638	99.999	666.66	666 66	666.66	666.66	666.66	93.936	Carry Carry
111. 3 • 912170	VAPOR P	MEAN	2	27.164	26.197	17.500	9.241	۴.091	₩66.1	1.128	.569	967	.156	7.00.	.039	.025	66.66	666.66	66 6.08	6 66 ' 66	66 6 '66	39.999	666.66	66.66	99.99	98.939	666 ' 66	99.399	666.66	665.66	99.999	666.66	99.999	93.933	93, 999
TABLE STATION	7		£	000	.111	1.000	2.000	3.000	4.000	5.000	6.000	7.000	8.000	3 .000	10.000	11.000	12.000	13.000	14.000	15.000	16.000	17.000	18.000	19.000	20.000	∂1.000	22.000	23.000	% .000	3.000 3.000	26.000	. 27 .000	58 .000	29.000	30.000

	NOBS 1V			388	391.	330	399.	399.	303.	399.	390	338.	397.	336.	386.	396.	30F.	. 393.	393.	390.	390.	369.	362.	351.	34B.	SK2.	279.	276.	315.	32 I.	316.	218.	191	167.	<u>₹</u>
	NOBS 1+P			388.	391.	396.	396.	398.	396.	395.	397.	396.	397.	395.	371.	108	<i>-</i> :	ö			6		6	ö	ö		0	6			•		6	6	
	SKEH DPT			-:07		-1.37	37	S.	1.20	ъ. С	2.73	€.6	ž,	1.82	.	.83	999.99	939.99	66.666	939.59	6 63.38	989.93	66,666	939.99	66.666	666.68	6 8.88	66.666	939.99	939.99	666.666	666.666	999.99	3 99.99	999.96
	S.D. DPT		DEG K	1.05	<u>.</u>	2.72	7.63	9.6	8.35	7.27	6.52	6.49	7.33	7.66	3. B	±6.00	6 6.6 6	99.99	66.66	93.99	99,99	58°53	99.98	99.99	99.99	66.66	66 66	98.99	66 66 66	99.99	66.66 6	66.66	66.66	99.99	99.99
APR I L	DEMPT T	FEAN	DEG K	296.25	295.63	288.99	278.14	265.01	255.22	247.55	240.57	234.13	22B. 19	221.75	214.78	210.51	939.99	899.99	66,663	66.566	66.665	66' 666	3 33.99	66.666	6 6.686	66.656	65 . 666	939.99	939.99	888. 88	666.666	939.99	999.99	933,99	66 .566
 Y	SKEW TV			15	19	=	13	60	<u>نې</u>	60.	•.26	08	- 28	22	₹	23	03	.07	.39	80.	13	₹.	.35	¥.	09	ų.	2	57.	.97	-85	33	.23	.0	.17	26
PARAMETERS	}	S.D.	DEG K	.33	- 38 - 38	ą.	- KG	λ. -	<u>*</u>	 8	1.17	1.18	÷.	1.30	<u>ሕ</u> :-	- 38:	1.17	1.16	1.23	1.33	1.71	2.05	ų, v	80 73	2.35	٠. چ.	2.17	2.05	2.01	2.16	ል. ማ	2.17	2.55	2.4B	2.55
ATISTICAL	2	MEAN	DEG K	302.96	302.22	295.15	289.57	284.65	279.47	273.93	268.14	261.01	255.12	¥7.98	240.39	232.40	224.37	216.38	208.51	201.31	195.27	191.95	192.86	138.51	204.73	203.38	212.72	215.66	218.51	221.31	223.95	226.65	228.45	230.28	232.33
RELATED STATISTICAL	SKEW VP			60.	80.	78	±	88.	1.85	2.91	3.85	4.07	3.36	3.08	2.61	1.65	999.99	999.99	939.99	999.99	939.99	999.99	999.99	939.99	6 66.66	66.666	999.99	999.99	66.666 600	936.99	66.666 600	66.666	999.99	868.88	999.99
MOISTURE	S.D. VP		9	1.786	1.721	2.885	4.253	3.178	1.764	1.076	649.	604.	.261	131	570.	.034	66 .66	66 .66	6 66.66	666 · 66	6 66.66	666.66	99.999	99.999	666 '66	666.66	666.66	66 6.66	666.66	99.999	39 .599	98.99	99.99	656.66	66, 633
111. 4	VAPOR P	MEAN	Ð	28.303	27.267	18.218	9.718	4.233	1.925	186.	.51	.281	.167	.085	.043	920.	666.66 6	66 6 '66	66.66	6 66 66	66 6 . 66	66 0.66	666 66	666.66	666.66	99.939	66° 66	665 '66	6 6.66	6 6.66	66.66 60.00	99.999	666.66	666.66	66, 66
TABLE	7		₹	000.	. 111	1.000	€.000	3.000	۴.000	5.000	6.000	7.000	8.000	9.000	10.000	11.000	12.000	13.000	14.000	15.000	16.000	17.000	18.030	19.300	20.000	21 .000	22.303	23.000	ر مور م	25.000	26.030	27.000	28.000	25.030	30.000

	NOBS 1V			£01.	407.	£09.	£10.	£0 3 .	409.	409.	463.	408.	407.	405.	496.	40 6.	*0*	# #	}	339.	395.	363,	360.	349.	3. 3.	253.	250.	247.	26 0.	321.	320.	2 16.	181	150.	Ž.
	NOBS 1+P			101	•	405	407.	±05.	+0+ -	40 6 .	407.	404	40+	403.	381.	£7.	ö	ö	.0			ö		ö		ö		6	ö	ö	ö	ö	ö	ö	6
	SKEW DPT		,	Ř.	<u>ئ</u>	-1.33	18:1-	<u>.</u> .9	36	10	.33	.58	8 5.	8	¥.	₹.	989.99	666.66	989.99	939.99	939.99	939.99	8 09.99	939.99	838.9 8	66.666	939.99	999.99	989.99	939.99	666.66	939.99	939.99	959.99	65 666
	S.D. DPT		DEG K	86.	98.	2 .12	4.82	7.43	8.95	9.97	10.57	10.30	10.50	10.68	10.94	10.72	66.66	6 6 . 66	66.66	99.99	99.99	99.99	66 66	99.99	6 6 . 66	99.99	36·98	66 . 66	66 .66	99.99	86·88	66·66	6 6.36	66.66	93.99
JUE	DEMPT T	FAN	DEG K	297.38	296.76	290.36	282.36	273.17	264.29	257.22	248.32	240.64	233,59	226.68	219.93	212.25	999,99	939, 99	6 83 6 8	999.99	666.666	886.8 8	886 B	999,99	666.666	999,99	999.99	999.99	999.99	66 . 666	999.98	939.99	66.666	6 66.66	836.99
	SKEH TV			12	12	٦	05	.36	01	18	15	. 29 	23	16	06	19	03	.10	03	90.	36	ų.	ų. R	91.	.00	01.	05	90.	02	05	85	26	90.	84	.
PARAMETERS	≥	5.0.	DEG X	1.72	- 28	ĸ.	86	96.	ą.	1.02	± :	1.07	1.13	<u>.</u> K	<u>.</u> K	1.27	86 	1.35	1.55	1.1	ų, vi	ф. О	ų ų	8. S	1.99	1.82	<u>.</u> 8	1.81	8 8	1.81	1.91	1.83	e. 05	. ÷	P, 49
ATISTICAL	2	MEAN	DEG K	303.86	303.12	236.52	290.50	285.05	279.20	273.23	267.49	261.38	18.40	247.63	239.91	231.83	223.53	215.32	207.35	200.53	195.76	196.00	199.58	204.33	208.42	211.58	214.43	216.89	219.32	221.72	223.78	225.70	257.82	223.31	630.61
MOISTURE RELATED STATISTICAL TAGGER	SKEN VP			63	.59	86	8	21	Ķ	. 53	10.1	1.28	1.25	1.18	10.1	96.	999.99	66 666	6 6.88	999.99	999.99	939.99	999.99	999.99	6 66.666	663 66	999.99	66.666	999.99	999.99	939.99	999.99	999.99	667.66	990.59
MOISTURE	S.D. VP		₽	1.614	1.518	794.5	3.156	2.935	2.253	1.663	1.092	.636	.358	<u>₹</u>	060	540.	66 .68	66 66	665.66	666.66	66.66	99.999	99.999	99.999	99.999	6 3 33	99.333	99.999	99.999	99.999	66 .66	66 6 . 666	66 6 . 66	666 66	99.033
111.6	VAPOR P	MEAN	P	30.273	29.171	19.772	12.117	6.853	3.788	2.321	1.197	.617	.328	. 169	-085	.035	66 .888	66 6.66	66 66	6 8.888	666.66	66 · 66	665,66	66 6.66	66.66	666.66 6	6 66 . 66	665.66	66.66	66 66	99.999	66 6.66	66 .66	6 39.939	93.939
STATION	7		¥	000	111.	1.000	P.000	3.000	4.600	5.000	6.790	7.000	8.000	9.000	10.000	11.000	12.00	13.000	14.000	15.000	16.000	17.000	13.000	19.000	20.000	21.000	52. 000	23.000	2 4.900	25.000	26.000	27.000	28.000	29.000	30.000

TABLE	111.7	_	MOISTURE RELATED STATISTICAL TAGGAC	ATISTICAL	PARAMETERS	ร	JULY				
7		S.D. VP	SKEM VP	7	2	SKEW TV	DEMPT T	S.D. DPT	SKEW DPT	NOBS 1+P	NOBS 1V
				MEAN	s.o.		FAN			!	
ξ				DEG K	DEG K		DEG K	DEG K			
000		1.826	8.	303.63	<u>.</u>	03	297.71	.97	.65	420.	420.
=:			96.	302.91	1.63	÷0.:	297.10	.93	89.	₹	. 50.
1.000			-1.07	296.69	ķ.	94	290.86	1.85	-1.68	421.	¥21.
2.000			03	290.65	88	08	283.86	2.68	-1.48	423.	423.
3.000			83	285.11	88.	**. -	276.43	5.08	-1.92	425	423.
4.000			57	279.07	.83	19	269.37	7.05	-1.40	4 22.	423.
5.000			25	273.11	88.	91.	262.53	8.57	99	423.	423.
6.000			91.	267.39	88.		254.32	10.25	55	416.	420.
7.000			.38	261.32	1.12	07	246.52	10.99	26	\$ \$ \$	418
9.000			ij	80. 10.	1.19	 S	238.64	1.3	15	413.	436.
9.000			57.	247.68	 8	36	229.85	11.47	60.	412.	416.
:0.000			99.	239.39	 %	06	221.72	11.47	=	398.	415.
11.000			27	231.83	1.30	09	220.57	10.10	86	63.	: :
12.000			993.99	223.41	1.30	08	939.99	99.9 3	66 .6 66	6	1413.
13.000			939.99	215.07	1.38	SO.	933.90	66 66 66	939.93	<u>.</u>	412.
14.000			933.99	206.95	19.1	.37	939.93	69.69 69.69	983.99	ö	.604
15.000			66.666	199.79	1.82	ж.	939.93	66 .38	999.99	9	₹00
15.000			66.665	195.11	2.36	. 20	6 66.666	86.86 86.86	666.666	0	395.
17.000			999.98	197.85	2.60	56	939.99	99.99	66.666	6	360.
18.000			999.99	201.69	- 88:	15	999.99	99.98 98.98	999.99	6	356.
19.000			939.93	205.57	1.81	15	66.666	66.66 66.66	999.99	ö	346.
20.00			66.666	208.93	- 88.	.03	6 6.666	66.66	66,666	6	344.
21.000			999.93	211.78	- 86	90.	939.99	88·88	999.99	ó	227.
52.000			999.99	214.15	- - -	01	939.99	99.99	666.666	ò	. 122
23.000			66 .666	216.45	- 8	Ξ.	939.99	66.66	66,666	ö	217.
5.000			939.99	218.83	<u>-</u>	£4.	999.99	99.99	66 666	ó	255.
25.000 25.000			933.39	220.88	- 8	60.	939.99	99.99	666 666	ö	298.
6 5 . 000			636.63	222.90	- 8	01.	939.99	99.99	999.39	ö	2 <u>9</u> €
€7.000			933.99	25.4.72	1.97	00.	999.99	86.86 86.86	666.666	ö	255.
000, 62			999.99	2 76.79	2.17	90.	999, 99	99.99	999, 99		189.
23.000			900.93	P.30. P.	74.5	- 18	933.99	99.59	66:508	ö	155
20.000			957.99	270.53	3	90.	209.99	93,58	666, 93	0	123.

	VI S80N			417.	4 <u>1</u> 8.	£19.	4S!.	421.	421·	4S1.	451.	418.	417.	416.	415.	415.	+ +	413.	413.	₹08.	±05.	368	358.	351.	348.	100 100 100 100 100 100 100 100 100 10	2 ⁴ 5.	240.	Ē	ф	280	187.	148.	<u>.</u>	101
	NOBS 1+P			417.	417.	419.	421.	₽	419.	419.	419.	±15.	¥15.	413.	¥01.	101.		6	ö		ö	6	ó			ö	ö	ö		9	ö	ö	ö	ö	
	SKEN OPT			 	32	89.	-1.48	-1.98	-1.76	-1.45	-1.15	 85	55	54	9+	 8	999.99	66.666	999,99	999.99	999.99	999.39	959.39	66.666	666.666	939.99	939.99	66.666	939.99	66.666	66.666	999.93	939.99	666.83	686.665
	5.0. 091	•	DEG X	.	.77	1.65	P. 45	3.99	5.91	7.13	8.78	9.28	10.50	10.64	10.76	10.27	99.99	66.66	99.99	66.66	99.99	99.9 9	99.99	99.99	66.66	66.66	99.99	99.99	89.89 89.89	99.93	66.66	99.99	66.66	99.99	93.99
NUGUST	DEMPT T	HE AN	DEG K	297.73	297.14	291.04	284.43	277.69	271.21	265.28	257.92	250.48	241.85	233.59	225.56	220.56	939.99	999.99	939.99	939.99	66.666	6 6.656	939.99	66.666	999.99	6 66.666	999.99	6 66.666	933.99	66 666	66.666	66.666	66 .666	66.665	933.99
₹	SKEM 1V			05.	5	68	21	.00	.23	- 08	01	90.	±.	60.	05	- 08	٠ ۳	29	03	. 19	.39	78	16	.10	ð.	ę,	05	.0S	.53	.65	.17	80.	8 .	.03	62.1
PARAMETERS	7	S.D.	DEG K	<u>.</u>	5.7	88.	.	.93	8 9.	.93	1.05	1.17	. 32 32	1.43	1.53	1.58	1.59	1.61	1.61	1.71	8.9	5.75	₽.07	<u>.</u>	- 88.	1.75	1.83	1.89	 86.	2.01	2.20	2.31	2.39	٠. ۴	ان ان
	1	MEAN	DEG K	303.37	302.66	296.72	₹.062	285.11	275.17	273.28	267.57	261.57	255.10	247.98	P40.30	232.14	223.67	215.22	206.94	199.69	195.22	197.94	201.82	205.67	208.72	211.62	213.97	215.89	217.74	219.70	221.88	223.80	225.70	227.26	228.53
PELATED STATISTICAL	SKEM VP			16	16	13.	81	85	•	5	21	05	.17	Ę.	ę,	13	86 3.88	66 6.66	939.99	999,99	66.666	999.99	999.39	939.39	999.99	939.99	606.606	939.99	999.99 98	939.39	886.88 888.88	939.99	939.99	999.99	66 .666
MOISTURE R	S.D. VP		£	064.1	1.365	2.066	1.999	1.989	1.826	1.519	1.136	748	***	228	<u>.</u>	740.	66 86	99.999	86.98 86.98	666.66	99.93	99.939	6 66 ' 66	99.999	99.999	99.939	666.66	666.66	66 .66	99.999	6 86 '68	66 6.66	66 .66	66 .66	6 6.366
111.8	VAPOR P	FEAN	£	30.918	29.836	20.585	13.515	8.700	5.672	3.768	P.243	1.266	.632	96.	 52	.070	666.66	66.66 66.66	66 0.66	66 6 . 66	6 3.93	666.66	99.939	666 66	99.999	36 .333	66 6 ' 66	66 5.6 6	99.999	99.999	665.6 6	6 6.98	66 .66	6 6.66	99.99
TABLE STATION	2		₹	000.	~	. 000	P. 000	3.000	. 000 •	5.000	6.000	7.000	9 .000	9.000	10.000	11.000	12.000	13.000	14.000	15.000	16.000	17.000	19.000	19.000	20.000	21.000	22.000	23.000	34 .000	25.000	26.000	27.000	28.000 200.000	29.000	30.000

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TABLE	9.111	MOISTURE	MOISTURE PELATED STATISTICAL	ATISTICAL	PARAMETERS		SEPTEMBER				
N N N	0/1216 *	TAGCAC	OV LOS	2	ì	CVCI TV	100	100		WOO TAB	71
•	MEAN		S. C.	MCAN	<u>-</u> 0	AL MING		3.0.		F CBD	ACGO IA
₹	æ	9		DEG K	. ¥		DEG K	DEG K			
.000	30.969	1.737	39	303.5	- 60	13	297.75	8	60	398.	390.
=	29.888	1.606	38	302.84	1.78	13	297.16	16.	. 59	399.	399.
000.	20.622	2.180	63	296.89	86	38	291.06	1.76	-1.0	400	40I.
≥.000	13.595	2.013	62	290.96	<u>\$</u>	‡ .	284.52	2.41	-1.19	405.	403.
3.000	8.550	2.091	63	285.33	1.00	≛.	277.40	4.12	-1.59	405.	403.
4.000	5.425	1.879	56	279.23	.93	90.	270.52	5.05	-1.45	¥05.	+03.
5.00	3.475	1.542	29	273.24	1.02	90.	263.99	7.65	-1.20	403.	403.
6.000	2.038	1.150	09	267.45	1.1	.03	256.22	9.67	92	40S.	403.
7.000	1.088	3+7.	91.	261.39	1.17	.27	248.00	10.49	53	40S.	403.
8.000	572.	.421	8.	79:+32	 8:	E.	240.57	10.67	. t.	.10 1	403.
9.003	.270	¥15.	.35	247.75	1.39	9	232.56	10.62	33	399.	402.
16.000	.115	860.	.39	240.14	94.1	50.	223.83	₹6.01	χ.	383.	₹ 00.
11.000	.071	1 +0.	5 . 1	232.01	8y. 1	03	220.88	10.11	97	76.	+ 00.
12.000	66.66	66 6.636	939.33	223.56	1.45	06	6 6.666	99.99	999.99	ö	33.
12.300	66.66	99.939	939.93	215.18	1.43	- 08	999.99	66.66	666.666	•	397.
7.00	656.66 66	66 66	666 68	207.06	1.57	80.	666.666	66 · 66	989.99	ö	393.
15.900	83.999	99.93	339.99	200.00	1.70	9.	999.99	66.66	66.666	0	39!
:6.000	666.66	66 . 66	939.99	195.36	64.5	16	939.99	99.99	66.656		388
17.000	666.66	666 · 66	939.99	196.47	2.80	52	666.666	66.66	939.99	6	¥¥.
19.000	59.93	666.66	939.99	200.30	P. 10	10	999.99	86 .88	983.33	ö	334.
13.000	666.66	66.66	933.99	204.38	<u>ه</u> . 8	. 38	66.666	66·66	999.99	ö	323.
20.000	66 66	99.939	939.93	207.76	. 79 67 . I	<u> </u>	66.666	96·96	990.99	ö	
21.000	666.65	89.999	939.99	210.90	1.78	51.	939.99	99.99	66.666	ö	226.
22.000	99.999	666.66	999.99	213.12	ص.م م	ž.	999.99	99.99	999.99	<i>.</i>	220.
23.070	99.889	99,999	997.99	215.16	- 8	60.	939.99	99.9 9	939,39	ö	216.
24.000	89.999	66 6.66	939.99	217.22	<u>-</u> .	03	939,99	99.99	999.99	ö	239.
25.000	666.66	99.999	999.39	219.63	- 8	06	999.99	66.66	999.99	ö	.98ç.
28.000	99.999	666.66	999.99	221.74	۶.00 9.00	17	999.99	66.66	66.666	ö	202
27.000	666 ° 60	66 .638	999.99	223.95	₽. 9.	90.	66.666	66.66	999.99	6	183.
23.000	99.538	666.66	999.99	226.07	<u>≯</u> 	-15	666.666	66. 66	939.99	ö	149.
23.000	666.66	666.66	90, r. 99	238.38	₹.0	16	939.99	89°39	65.666		127.
30.000	99.999	99.93	333.99	653.63	64.5	07	993.99	66.66	666,666	ö	<u>8</u>

	NOBS TV			99	¥07.	¥10.		:	::	-: -:	410.	. 60	407.	402.	¥04	4 05.	.16 4	4 00.	+00	398.	30±.	₩ 	329	305.	305.	230.	226 .	654.		9 55	ф	191	170.	<u>:</u>	117.
	NOBS 1+P			+06 .	407.	409.	410.	4 10.	£10.	406 .	407.	407.	403.	40S.	38∔.	109.	<u>-</u>	6	ö	<u>-</u>	6	<u>.</u>	0		ö	ဝ	<u>.</u>	<u>.</u>	ö		ö	ö	6	ö	ö
	SKEN DPT	,	•	16	17	-1.62	-1.92	-1.52	90	58	-, 22	05	-, 12	₹ 0. I	=:-	-,73	66 6.68	666 68	986.98	66 6 . 68	666.68	999,99	666.666	999.99	989.89	999.99	939.99	6 66 . 66	999.99	666.666	939.99	666.666	903.99	686.88	939.99
	S.D. DP1		DEG K	68	.87	1.95	3.60	5.7	9.12	17.6	11.11	 S	11.27	11.42	14.11	10.72	98.9 8	99.99	66.66	68 66	88.88 88.88	66.66	88 .89	99.93	66.66	89.83 89.83	86.98 86.98	88.88 88.88	99.99	99.99	66.66	66.66	95.99	66.66	39°.49
OCTOBER	DEMPT T	REAN	DEG K	297.83	297.23	291.07	283.96	2 76.35	269.08	260.62	252.73	245.46	238.80	231.21	223.28	220.40	999.99	939.99	999.99	66.666	999.99	989.39	666.66	999, 99	666.666	66.666	993.99	66 666	999.99	666.66	889.99	839.99	6 6.666	999, 99	603,99
:	SKEH TV			10	13	. 45	ž.	19	88.	.35	.33	60.	61.	.e3	74.	.59	39.	ş	.e3	ų.	.07	10.	ا. دی	22	33	15	01	13	9	ų.	.07	01	4	-1.07	07
PARAMETERS	2	5.D.	DEG K	1.78	1.69	8	8;	86	1.05	1.09	1.20	1.40	1.59	57:1	1.83	- 8	1.61	1.53	1.60	1.78	ю. Ж.	2.58	3.05	2.51	2.23	1.81	2.17	e. 12	2·18	e. 06	 	2.16	2.60	.0	2.53
ATISTIC	7	MEAN	DEG K	303.61	302.90	296.85	290.87	285.34	279.49	273.57	267.85	261.67	255.08	247.93	2 +0.≥1	232.19	223.87	215.63	207.62	200.76	195.22	193.51	196.81	202.42	206.53	210.19	213.15	215.18	217.53	220.07	222.80	225.12	227.13	25.9.21	231.29
HOISTURE RELATED STATISTIC TAGUAC	SKEY VP			.07	90.	97	96.	60	23	01.	5ħ.	В	8.	57.	57.	٠. وي.	999.93	66 . 66	839.89	999.99	666.66	999.99	939.99	933.99	999.99	999.99	930.99	66.666	999.99	999.99	66.666	999.99	86.666	999.99	999.99
MOISTURE TAGUAC	S.D. VP		9	1.657	1.55±	2.350	2.666	2.608	2.270	1.762	1.294	+08.	.455	243	109	.051	666.66	66.66	66 0.08	99.999	99.999	66 .66	66 6 . 666	666.66	66 6 . 66	66.66	6 66 . 66	99.999	89.999	99.909	6 66.6 6	99.999	99.999	6 6.088	99.999
111. 10	VAPOR P	FAN	Œ	31.106	30.00	20.656	13.256	8.177	4.819	2.958	1.706	6 ±6.	.523	.260	51.	.07e	66 66	99.999	8 6.98	665.66	99.999	66.66	86 .838	66 6.66	66 6.888	666 . 66	66.66	6 65.66	99.999 99.999	99.9%	66 6.66	66 6.66	89.999	96.999	93,999
TABLE	7		ξ	000		1.000	2.000 2.000	3.000	۴.000	5.000	6 .000	7.000	8 .000	9.000	10.300	11.000	12.000	13.000	14.000	15.000	16.000	17.000	19.000	19.000	20.000	21.000	22.000	23.000	₹.000	25.000	25.000	27.000	28.000	29.000	30.003

	VT SGON	}		797	398	401	401	£0.	, i	101	, to	£00,	397.	395.	392.	335.	390.	387.	387.	381.	380.	350	343.	319.	317.	249.	2,69	φ. V	283.	287.	267.	210.	176.	32	145.
	G+1 SBON			397.	397.	401.	401.	400	£00,	401.	401.	₹00	396.	₩	372.	<u>.</u>			ö	ö	6		6	0	ö	ö	6	0	6	6	•	0	•		
	SKEW OPT			57	r	-1.27	₹. -	67	23	9	Q4.	97.	6.	.93	ξŢ.	55.	999.99	999.99	66 .666	66.666	999.99	939.93	666.666	66.38 38	66 3.03	66.666	66 6.66	66.666	999.99	939.99	66.666	66 ö66	993.99	999.99	939, 93
	S.D. DPT		DEG	96.	.93	2.06	6.60	9.58	96.6	10.97	11.21	10.99	10.82	10.66	10.01	11.60	66.66	99.99	99.99	66.66	66 .66	99.99	66.66 6	6 6.66	66.6 6	99.99	89. 89.	99.99	6 3.68	99.99	66 .38	6 0.08	66.66	99.99	99.39
NOVEMBER	DEMPT T	MEAN	DEG	297.57	296.98	290.72	281.55	272.03	263.91	255.84	2.6.2	240.48	233.07	225.57	218.69	214.75	66.666	999.99	999.99	999.99	939.93	66.666	66.666	66.666	66.666	939.99	66.666 66.666	666.666	939.99	939.99	939.39	939.99	666.666	66.666	930,99
•	SKEH TV			33	33	30	31	14.	.37	<u>e</u>	06	25	3	17	±	30	- 29	07	81.	51.	30	03	95.	 10	7.5.	ō.	= -	₹.	Ř.	.35	.32	.18	09	58	-, 58
PARAMETERS	≥	5.0.	DEG K	1.42	1.39	.	<i>8</i> 6.	86.	8.	1.07	1.16	 %	1.47	1.63	<u>.</u>	- 59	1.4s	8 .:	1.50	₫. _	2.03	2.07	9. 92	ڊ. و.	P. 35	2.11	2.30	2.23	2.07	2.31	2.31	2.58	2.70	2.83	2.56 35
	2	MEAN	DEG X	303.57	302.88	296.56	230.85 85.85	285.47	279.80	273.97	268.06	261.89	8 2.	248.19	240.61	232.68	224.53	216.45	208.51	201.22	194.79	131.36	193.13	94.661	205.38	209.31	212.31	215.21	217.87	220.49	653.08	225.16	227.35	223.45	230.83
HOISTURE RELATED STATISTICAL TAGUAC	SKEH VP			<u>ئ</u> ا	58	85	8.	18	ĸ	.	.93	1.35	 	1.59	o. ₹0		936.99	999.99	939.99	939.99	993.99	6 66.66	999.99	939.99	999.99	333.33	939.99	6 6.66	66 666	933.99	939.99	999.99	990.99	938.83	939,93
MOISTURE TAGUAC	S.D. VP		8	1.733	1.628	2.457	3.956	3.599	2.49I	1.857	1.216	.759	,427	.216	. 102	100 100	66 .636	99.939	99.999	99.999	99.99	66 . 66	99.899	99.939	99.939	93.939	99.99	33 .999	666 66	96 .338	6 6.33	6 66.6 6	66.66	99.999	93,999
111. 11	VAPOR P	MEAN	æ	30.629	29.570	20.228	1.851	6.753	3.850	2.233	1.278	629	.337	191	.078	640.	99.999	66.66	99.939	99.999	66.66	99.93	99.999	666.66	656.66	99.99	666 66	665.66	88.888	66.65	99,999	6 3.83 3	6 6.66	609.66	99.93
STATION	2		ξ	000	-	.000	2.000	3.000	4.000	5.000	6.000	7.000	B.000	9.000	10.000	11.000	12.000	13.000	14.000	15.000	16.000	17.000	18.000	000.61	20.000	21.000	22.000	23.000	% .000	25.000	20.000	27.000	29.000	29.000	30.000

	VDBS 1+P NOBS 1V																	426. 425. 427. 423. 421. 421. 420. 420. 421. 420. 421. 420. 421. 420. 421.																	426. 425. 427. 423. 421. 420. 420. 420. 420. 420. 60. 4117. 60. 4117. 60. 4117. 60. 4117. 60. 4117. 60. 4117. 60. 4117. 60. 4117. 60. 4117. 60. 4117. 60. 4117. 60. 4117. 60. 4117. 60. 4117. 60. 4117. 60. 4117. 60. 4117. 60. 4117. 60. 4117. 60. 4117. 60. 60. 60. 60. 60. 60. 60. 60. 60. 60
	SKEW DPT NO		•	高	50	-2.09	<u>.</u>	<u>ج</u>	57.	1.16	1.39	1.87	2.12	1.79	1.63	1.28	0000	00.00	66.666 66.666	66.666 69.666	66.666 66.666 66.6666	66.686 686.686 686.686 686.686 686.686	66.666 66.666 66.666 66.666 66.666	56.566 56.566 56.566 56.566 56.566 56.566 56.566 56.566 56.566 56.566 56.566 56.566 56.566 56.566 56.566 56.566 56.566 56.566 56.566 56.566 56.566 56.566 56.566 56.566 56.566 56.566 56.566 56.566 56.566 56.566 56.566 56.566 56.566 56.566 56.566 56.566 56.566 56.566 56.566 56.566 56.566 56.566 56.566 56.566 56.566 56.566 56.566 56.566 56.566 56.566 56.566 56.566 56.566 56.566 56.566 56.566 56.566 56.566 56.566 56.566 56.566 56.566 56.566 56.566 56.566 56.566 56.566 56.566 56.566 56.566 56.566 56.566 56.566 56.566 56.566 56.566 56.566 56.566 56.566 56.566 56.566 56.566 56.566 56.566 56.566 56.566 56.566 56.566 56.566 56.566 56.566 56.566 56.566 56.566 56.566 56.566 56.566 56.566 56.566 56.566 56.566 56.566 56.566 56.566 56.566 56.566 56.566 56.566 56.566 56.566 56.566 56.566 56.566 56.566 56.566 56.566 56.566 56.566 56.566 56.566 56.566 56.566 56.566 56.566 56.566 56.566 56.566 56.566 56.566 56.566 56.566 56.566 56.566 56.566 56.566 56.566 56.566 56.566 56.566 56.566 56.566 56.566 56.566 56.566 56.566 56.566 56.566 56.566 56.566 56.566 56.566 56.566 56.566 56.566 56.566 56.566 56.566 56.566 56.566 56.566 56.566 56.566 56.566 56.566 56.566 56.566 56.566 56.566 56.566 56.566 56.566 56.566 56.566 56.566 56.566 56.566 56.566 56.566 56.566 56.566 56.566 56.566 56.566 56.566 56.566 56.566 56.566 56.566 56.566 56.566 56.566 56.566 56.566 56.566 56.566 56.566 56.566 56.566 56.566 56.566 56.566 56.566 56.566 56.566 56.566 56.566 56.566 56.566 56.566 56.566 56.566 56.566 56.566 56.566 56.566 56.566 56.566 56.566 56.566 56.566 56.566 56.566 56.566 56.566 56.566 56.566 56.566 56.566 56.566 56.566 56.566 56.566 56.566 56.566 56.566 56.566 56.566 56.566 56.566 56.566 56.566 56.566 56.566 56.566 56.566 56.566 56.566 56.566 56.566 56.566 56.566 56.566 56.566 56.566 56.566 56.566 56.566 56.566 56.566 56.566 56.566 56.566 56.566 56.566 56.566 56.566 56.566 56.566 56.566 56.566 56.566 56.566 56.566 56.566 56.566 56.566 56.566 56.566 56.566 56.566 56.566 56.566 56.566 56.566 56.566 56.566 56.566 56.566 56.566 56.566 56.566 56.566 56	6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	5 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	26.668 26.668 26.668 26.668 26.668 26.668 26.668 26.668 26.668	26.686 26.686 26.686 26.686 26.686 26.686 26.686 26.686 26.686 26.686 26.686 26.686 26.686 26.686 26.686 26.686 26.686 26.686 26.686 26.686 26.686 26.686 26.686 26.686 26.686 26.686 26.686 26.686 26.686 26.686 26.686 26.686 26.686 26.686 26.686 26.686 26.686 26.686 26.686 26.686 26.686 26.686 26.686 26.686 26.686 26.686 26.686 26.686 26.686 26.686 26.686 26.686 26.686 26.686 26.686 26.686 26.686 26.686 26.686 26.686 26.686 26.686 26.686 26.686 26.686 26.686 26.686 26.686 26.686 26.686 26.686 26.686 26.686 26.686 26.686 26.686 26.686 26.686 26.686 26.686 26.686 26.686 26.686 26.686 26.686 26.686 26.686 26.686 26.686 26.686 26.686 26.686 26.686 26.686 26.686 26.686 26.686 26.686 26.686 26.686 26.686 26.686 26.686 26.686 26.686 26.686 26.686 26.686 26.686 26.686 26.686 26.686 26.686 26.686 26.686 26.686 26.686 26.686 26.686 26.686 26.686 26.686 26.686 26.686 26.686 26.686 26.686 26.686 26.686 26.686 26.686 26.686 26.686 26.686 26.686 26.686 26.686 26.686 26.686 26.686 26.686 26.686 26.686 26.686 26.686 26.686 26.686 26.686 26.686 26.686 26.686 26.686 26.686 26.686 26.686 26.686 26.686 26.686 26.686 26.686 26.686 26.686 26.686 26.686 26.686 26.686 26.686 26.686 26.686 26.686 26.686 26.686 26.686 26.686 26.686 26.686 26.686 26.686 26.686 26.686 26.686 26.686 26.686 26.686 26.686 26.686 26.686 26.686 26.686 26.686 26.686 26.686 26.686 26.686 26.686 26.686 26.686 26.686 26.686 26.686 26.686 26.686 26.686 26.686 26.686 26.686 26.686 26.686 26.686 26.686 26.686 26.686 26.686 26.686 26.686 26.686 26.686 26.686 26.686 26.686 26.686 26.686 26.686 26.686 26.686 26.686 26.686 26.686 26.686 26.686 26.686 26.686 26.686 26.686 26.686 26.686 26.686 26.686 26.686 26.686 26.686 26.686 26.686 26.686 26.686 26.686 26.686 26.686 26.686 26.686 26.686 26.686 26.686 26.686 26.686 26.686 26.686 26.686 26.686 26.686 26.686 26.686 26.686 26.686 26.686 26.686 26.686 26.686 26.686 26.686 26.686 26.686 26.686 26.686 26.686 26.686 26.686 26.686 26.686 26.686 26.686 26.686 26.686 26.686 26.686 26.686 26.686 26.686 26.686 26.686 26.686 26.686 26	88.686 88.686 88.686 88.686 88.686 88.686 88.686 88.686 88.686 88.686 88.686 88.686 88.686	6.66.66.66.66.66.66.66.66.66.66.66.66.6	6.66.66.66.66.66.66.66.66.66.66.66.66.6	6.66.66.66.66.66.66.66.66.66.66.66.66.6	5 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	6. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6	6.66.66.66.66.66.66.66.66.66.66.66.66.6
	S.D. DPT		DEG X	1.22	1.21	88	7.58	9.55	9.39	9.95	8.57	7.91	7.48	7.76	8.19	9.60		66. 66.	66.66 66.66	8 8 8 8 8 8	86 86 86 86 86 86 86 86 86 86 86 86	66 68 68 68 68 68 68 68 68 68 68 68	8 8 8 8 8 8 8 8 8 8 8 8	86 86 86 86 86 86 86 86 86 86 86 86 86 8	8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8
DECEMBER	DEMPT 1	HEAN	DEG K	296.62	296.05	289.40	278.49	266.44	258.12	250.Pt	243.00	235.59	84.828	221.85	214.51	209.25		666.66	999.99 999.99	999.99 999.99 999.99	66.666 66.666 66.666	989.98 989.98 989.98 989.98 989.98	986.98 986.98 989.98 989.98 989.98	66.686 66.686 66.686 66.686 66.686 66.686	66.000 66.000 66.000 66.000 66.000 66.000 66.000 66.000 66.000 66.000	56 56 56 56 56 56 56 56 56 56 56 56 56 5	86 96 96 96 96 96 96 96 96 96 96 96 96 96	8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	66 66 66 66 66 66 66 66 66 66 66 66 66	8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	86 86 86 86 86 86 86 86 86 86 86 86 86 8	86 86 86 86 86 86 86 86 86 86 86 86 86 8	86 86 86 86 86 86 86 86 86 86 86 86 86 8	8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8
	SKEH TV			 	94	S	59	23	17	<u>*</u>	05	- 38	08	28	30	-,35	1			រ. មិន្តិ ខ្លួ	당.	다. 	다. 라	65 10 10 10 10 75.	당	당 89 10 10 50	86. 10. 10. 10. 10. 10.	66. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.	8	86. 10. 10. 10. 10. 10. 10. 10. 10. 10. 10.	당 :	8. 8. 9. 9. 9. 9. 9. 9. 9. 9. 9. 9. 9. 9. 9.	ម្តីដូច្នេះ	당 :	8. 8. 9. 9. 9. 9. 9. 9. 9. 9. 9. 9. 9. 9. 9.
PARAMETERS	_	5 .D.	DEG K	1.38	1.31	1.06	 10:	 83.	1.35	1.27	<u>-</u> .	1.23	1.18	1.18	1.19	1.21		-		= 5. = 85. 58.	9 8 8 9 9 9 8 9 9 9	8	8. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6.	8							\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$				######################################
	≥	FEAN	DEG K	302.85	302.18	295.65	230.52	285.38	279.93	274.02	268.07	261.75 25.13	255.19	248.00	240.33	232.40		22. +22	224.22 216.12	224.22 216.12 208.20	224.22 216.12 208.20 200.81	224.22 216.12 208.20 200.81 194.14	224.22 216.12 208.20 200.81 194.14	224.22 216.12 208.20 200.81 194.14 189.72	27. 22 216.12 208.20 200.81 194.14 189.72 191.37	26. 22 216. 12 208. 20 200. 81 194. 14 189. 37 27. 191 27. 193	224.22 216.12 208.20 200.81 194.14 189.72 198.41 204.75	224.22 216.12 208.20 200.91 194.14 189.72 198.41 204.15 209.00	27. 28. 28. 29. 19. 19. 19. 19. 19. 19. 19. 19. 19. 1	2% 28 28 28 28 28 28 28 28 28 28 28 28 28	27.75 20.61 20.61 20.61 20.61 19.77 19.17 19.17 20.50 20.50 20.50 20.50 20.50 20.50	27. 28. 28. 28. 28. 28. 28. 28. 28. 28. 28	27. 28. 28. 29. 37. 19. 19. 19. 19. 19. 19. 19. 19. 19. 19	27. 28. 28. 28. 28. 28. 28. 28. 28. 28. 28	24. 4. 4. 4. 4. 4. 4. 4. 4. 4. 4. 4. 4. 4
MOISTURE RELATED STATISTICAL TAGUAC	SKEL VE			& :	, K	-1.16	27	٦. ال	1.20	1.88	2.05	2.76	3.16	P. 89	2.66	1.71	-	999.99	999.99 999.99	9 99.99 9 99.99	999 .99 9 99.99 9 99.99	999.99 999.99 999.99	96.966 96.966 96.966 96.966 96.966 96.966 96.966	96.966 96.966 96.966 96.966 96.966 96.966 96.966	56 56 56 56 56 56 56 56 56 56 56 56 56 5	86.00 00 00 00 00 00 00 00 00 00 00 00 00	8. 50 50 50 50 50 50 50 50 50 50 50 50 50	86.00 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	89: 98: 98: 98: 98: 98: 98: 98: 98: 98:	86 96 96 96 96 96 96 96 96 96 96 96 96 96	85; 86; 86; 86; 86; 86; 86; 86; 86; 86; 86	85 85 85 85 85 85 85 85 85 85 85 85 85 8	85; 86; 86; 86; 86; 86; 86; 86; 86; 86; 86	86: 66: 66: 66: 66: 66: 66: 66: 66: 66:	86; 68; 68; 68; 68; 68; 68; 68; 68; 68;
HOISTURE TAGUAC	S.D. VP		£	≥.097	2.016	2.97	4.159	3.278	2.133	1.357	.790	.467	¥2%.	.131	.065	040.	-	99.99	99 .999	99 .999 99 .999	99.999 99.999 99.999	98 988 988 988 988 988 988 988 988 988 98	88.086 88.086 88.086 88.086 88.086 88.086	86.086 86.086 86.086 86.086 86.086 86.086 86.086	88 88 88 88 88 88 88 88 88 88 88 88 88	886.00 866.00 866.00 866.00 866.00 866.00 866.00 866.00 866.00 866.00 866.00 866.00 866.00 866.00 866.00 866.00 866.00 866.00 866.00 866.00 866.00 866.00 866.00 866.00 866.00 866.00 866.00 866.00 866.00 866.00 866.00 866.00 866.00 866.00 866.00 866.00 866.00 866.00 866.00 866.00 866.00 866.00 866.00 866.00 866.00 866.00 866.00 866.00 866.00 866.00 866.00 866.00 866.00 866.00 866.00 866.00 866.00 866.00 866.00 866.00 866.00 866.00 866.00 866.00 866.00 866.00 866.00 866.00 866.00 866.00 866.00 866.00 866.00 866.00 866.00 866.00 866.00 866.00 866.00 866.00 866.00 866.00 866.00 866.00 866.00 866.00 866.00 866.00 866.00 866.00 866.00 866.00 866.00 866.00 866.00 866.00 866.00 866.00 866.00 866.00 866.00 866.00 866.00 866.00 866.00 866.00 866.00 866.00 866.00 866.00 866.00 866.00 866.00 866.00 866.00 866.00 866.00 866.00 866.00 866.00 866.00 866.00 866.00 866.00 866.00 866.00 866.00 866.00 866.00 866.00 866.00 866.00 866.00 866.00 866.00 866.00 866.00 866.00 866.00 866.00 866.00 866.00 866.00 866.00 866.00 866.00 866.00 866.00 866.00 866.00 866.00 866.00 866.00 866.00 866.00 866.00 866.00 866.00 866.00 866.00 866.00 866.00 866.00 866.00 866.00 866.00 866.00 866.00 866.00 866.00 866.00 866.00 866.00 866.00 866.00 866.00 866.00 866.00 866.00 866.00 866.00 866.00 866.00 866.00 866.00 866.00 866.00 866.00 866.00 866.00 866.00 866.00 866.00 866.00 866.00 866.00 866.00 866.00 866.00 866.00 866.00 866.00 866.00 866.00 866.00 866.00 866.00 866.00 866.00 866.00 866.00 866.00 866.00 866.00 866.00 866.00 866.00 866.00 866.00 866.00 866.00 866.00 866.00 866.00 866.00 866.00 866.00 866.00 866.00 866.00 866.00 866.00 866.00 866.00 866.00 866.00 866.00 866.00 866.00 866.00 866.00 866.00 866.00 866.00 866.00 866.00 866.00 866.00 866.00 866.00 866.00 866.00 866.00 866.00 866.00 866.00 866.00 866.00 866.00 866.00 866.00 866.00 866.00 866.00 866.00 866.00 866.00 866.00 866.00 866.00 866.00 866.00 866.00 866.00 866.00 866.00 866.00 866.00 866.00 866.00 866.00 866.00 866.00 866.00 866.00 866.00 866.00 866.00 866.00 866.00 866.00 866.00 86	88 66 66 66 66 66 66 66 66 66 66 66 66 6	888.00 88 88 88 88 88 88 88 88 88 88 88 88 8	88 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	88 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	88 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	88 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	88 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	88 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	88 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8
111. 12 = 912170	VAPOR P	EAN	£	28.970	27.978	18.725	9.918	4.647	2.511	1.332	902.	132	171.	.087	9 .0	.025	8	מים.	99.933	86.98 86.98 86.98	2000 000 000 000 000 000 000 000 000 00	86.00 66.00 66.00 66.00 66.00 66.00 66.00 66.00	86.06.06.06.06.06.06.06.06.06.06.06.06.06	8 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	66 66 66 66 66 66 66 66 66 66 66 66 66	7 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	66 66 66 66 66 66 66 66 66 66 66 66 66	6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	R 8 8 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	R	R	R	8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8
TABLE STATION	7		Ž	8	=	<u>-</u>	8 8	3.00	£.000	2.00	6.000	7.000	8.000	9.00	10.00		000	****	13.000	13.000	13.000 14.000 15.000	14.000 15.000 15.000	13.000 14.000 15.000 17.000	13.000 15.000 17.000 17.000	13.000 15.000 17.000 17.000	13.000 17.000 17.000 19.000	15.000 17.000 17.000 19.000 20.000	15.000 17.000 17.000 19.000 21.000	13.000 17.000 17.000 19.000 19.000 19.000 19.000	13.000 17.000 17.000 19.000 19.000 19.000 19.000 19.000 19.000	13.000 17.000 17.000 19.000 19.000 19.000 19.000 19.000 19.000	25.000	13. 000 13. 000 14. 000 15. 000 15. 000 15. 000 15. 000 15. 000 15. 000 15. 000 15. 000	3. 13. 13. 13. 13. 13. 13. 13. 13. 13. 1	13.000 17.000 18.000 19.000 19.000 19.000 19.000 19.000 19.000 19.000 19.000 19.000 19.000

	NOBS 1V			4819.	4843.	4893.	4905.	4 304.	4903.	4903	r695.	4879.	tara.	4837.	4819.	4807.	4793.	4766.	4757.	4707.	4677.	4299.	4215.	4053.	. +0≥.+.	3061.	3017.	2985.	3353.	3645.	3614.	25 60.	2181.	1857.	1715.
	NOBS 1+P			4819.	4833.	+875.	4891.	+888 .	4877.	4879.	4884	4843.	4821.	4805.	4593.	1179.	,	'n	'n	M			ó				ö	ö	ö	ö	ö	0	ö	ö	ö
	SKEH DOT			81	₫ .	-1.56	64.1-	55	₹.	đ,	.53	.73	ęr.	P	99.	<u>.</u>	999,99	999.99	63.68	999.99	66.656	66.666	66.666	66,666	999,99	939.99	666.88	999.39	66 666	66.666	999.99	939.99	636.98	66.666	963.93
	S.D. DPT		DEG K	34.1	1.43	2.55	7.01	9.95	10.43	10.85	10.97	10.69	10.55	19.61	10.50	10.7	3 6.86	6 8.86	66 . 66	66.66	99.99	66.66	99.99	66.66	99.99	6 6.86	99.99	93.93	99.99	66.66	66.66	6 6.66	98.99	99.99	89 89 89
ANNUAL	DEMPT T	FAN	DEG K	296.85	296.26	263.91	280.67	270.37	262.20	255.14	27.64	240.33	233,20	225.91	218.60	213.90	6 66.656	999,99	666,656	999,99	959,99	959.99	686.656	66 656	66 666	929.99	999.99	993,99	939.99	939.99	939.99	939.99	939.99	963.99	903.98
¥ •	SKEW TV			\$0°-	05	53	76	۳	Ž.	.30		05	07	07	9.	05	17	18	06	01	.18	.30	<u> </u>	06	27	-,33	±₩	13	<u>*</u>	9	9	80.	03	±	3
PARAMETERS	}	S.D.	DEG X	1.81	1.72	<u>짜</u>	1.37	1.21	1.23	 Ki	1.23	1.23	æ	1.36	. . 60	1.43	- £	9. T	1.52	1.69	و. <u>ح</u>	3.79	4.69	3.88	3.01	2.51	P.46	2.30	ر ک	2.33	2,45	2,53	2.63	2.88 88	ď.
	1	MEAN	ESS K	303.05	302.34	295.80	290.19	295.14	279.51	273.58	267.87	661.67	255.10	87.88	240.30	232.29	224.04	215.85	207.86	200.67	194.93	193.23	195.70	201.17	206.13	209.80	212.77	215.43	217.88	220,25	222,52	224,60	526.66	228.50	230.08
RELATED STATISTICAL	dy Maxs			53	53	87	9′	\$0°-1	٥٠,	57.	5.7	1.32	1.43	64	1.36	<u>6</u> .	666	939.39	666 .88	999.93	839.99	939.99	999.99	9.9	666,666	66.666	999.99	66.666	999.93	999, 99	939.99	666.666	66,666	637, 63	6 30,39
HOISTURE I	S.D. VP		Ç.	2.530	2.385	2.830	3.985	3.496	P. 484	1.770	1.154	883	.387	861.	160.	040.	99.598	83.939	66 6.66	99.939	656,66	69.63	6 3.93	63 .936	6 66 '66	666 . 66	63.93	88.93	99.999	6 66.66	66 .633	66.66 60.00	83.99 9	69.983	99.839
111. 13	VAPOR P	MEAN	Ð	29.401	28.366	19.281	575.11	6.10:	3.491	2.105	1.178	.630	.327	.159	.073	₹.	66 .66	39 .939	66 6 . 66	38 .938	66 6.66	66.66	666 ' 66	66 6.65	66 6 '66	666.66	99. ₂ 99	665.66	66.66	666 · 666	99.999	665 · 66	89 .999	69.63	99,099
TABLE	Z		£	000.	Ξ:	.000	₽.000	3.000	£.000	5.000	6.000	7,000	8.000	9.000	10.000	11.000	12.000	13.000	14.000	15,000	16.000	17.000	18.000	19.000	20.000	21.000	22.000	S.Z. 600	24.003	25.000	26.000	27.000	29.000	29.000	30.000

TABLE	1V.1 = 912170	HYDROSTA TAGUA		ATMOSPHERE,	TABLE	IV. 2 - 912170	HYDROSTA TAGUA		ATMOSPHERE,
Z	GEO. HT.	P	,c	TV	Z	GEO. HT.	P P	~ D	ΤV
КM	KM	MB	G/M3	DEG K	КМ	KM	MB	G/M3	DEG K
.000				301.73	.000	.000	1013.1000	1170.0000	301.65
. 111	.111		1157.0000	301.08	.111	.111	1000.5000	1158.0000	300.95
1.000	.997	903.2100	1068.0000	294.64	1.000	.997	903.6700	1070.0000	294.26
2.000	1.995	803.7700	967.2000	289.49	2.000	1.995	804.0200	969.5000	288.90
3.000	2.991	713.9500	871.8000	285.29	3.000	2.991	714.0400	873.000 0	284.95
4.000	3.988	632.9100	788.1000	<i>2</i> 79.76	4.000	3.988	632.9500	787.9000	279.85
5.000	4.984	559.7000	711.8000	273.92	- 5.000	4.984	559.7700	711.3000	274.16
6.000	5.980	493.6500	641.7000	268.01	6.000	5.980	493.7800	641.2060	269.29
7.000	6.976	434.1900	577.5000	26 1.98	7.000	6.976	434.3100	57 7.9000	261.83
8.000	7.971	380.7100	519.2000	255.46	8.000	7.971	380.7800	519.9000	255.13
9.000	8.966	332.6500	466.8000	248.26	9.000	8.966	332.6500	467.3000	247.98
10.000	9.960	289.4800	419.1000	240.64	10.000	9.960	289.4300	419.6000	240.28
11.000	10.955	250.7800	375.4000	232.72	11.000	10.955	250.6800	375.9000	232.31
12.000	11.949	216.1600	335.3000		12.000	11.949	516.0200	335.7000	224.17
13.000	12.942	185.3200	298.300 0		13.000	12.942	185.1500	298.5000	216.00
14.000	13.936	157.9600	263.9000		14.000	13.936	1 5 7.770 0	264.1000	208.12
15.000	14.923		232.0000		15.000	14.929	133.6400	232.1000	200.51
16.COO	15.921	112.7300			16.000	15.921	112.5300	202,1000	193, 97
17.000	16.914	94.4710			17.000	16.914	94.3530	172.2000	190.₽0
18.000	17.906	79.0620			18.000	17.906	79.0620	143.0000	132.53
19.000	18.899				19.000	18.838	66.4690	116.9000	199.03
20.000	19.889		95.6900		20.000	19.889	56.1440	96.2100	2031.23
21.000	20.881	47.6320			21.000	20.891	47.6130	79.8900	207.61
22.000	21.871	40.5340			\$5.000	21.871	40.5030	65.870 0	211.03
23.000	22.852				23.000	22.862	34.5380	56.2800	213.8 0
24.000	23.652				24 . 000	23.652	29.5120	47.5000	216.45
25.00 0	24.842				25.000	24.842	25.2630	40.2500	218.64
26.000	<i>2</i> 5.832				26.000	25.832	21.6600	31.1800	220.73
27.00 0	26.821	18.6230			2 7.00 0	26.821	18.5980	29.0300	ברי. פעב
28.000	27.810				28.000	27.810	15.9930	24.7600	∂.¹5 . 05
29.000	28.799				29.00 0	28.799	13.7730	21.1300	227.10
30.000	29.787	11.8749	18.1800	227.59	30.000	29.787	11.8784	16.0700	729.05
		MARCH					APRIL		

TAPLE	IV. 3	HYDROST	ATIC MODEL	ATMOSPHERE,	TABLE	17. 4	HYDROST	ATIC MODEL	ATMCSPHERE.
STATION	- 912170	TAGU	AC	•	STATION	- 912170	TAGU		A COURT OF THE PERSON OF THE P
Z	GEO. HT.	P	D	TV	Z	GEO. HT.	P	۵	TV
KM	KM	MB	G/M3	DEG K	KM	KM	MB	G/M3	DEG K
.000	.000	1012.9000	1168.0000	302.08	.000	.000	1012.4000	1164.0000	302.96
.111	-111	1000.3000		301.38	.111	.111	999.8600	1153.0000	302.22
1.000	.997		1069.0000	294.48	1.000	.997	903.4200	1066.0000	295.15
2.000	1.995	804.0300	968.7000		2.000	1.995	804.0600	967.3000	289.57
3.000	2.991	714.0900	8 72.9000	284.98	3.000	2.991	714.1300	874.0000	284.65
4.000	3.988	632.9900	7 87.9000	279.BG	4.000	3.988	632.9300	789.0000	279.47
5.000	4.984	559.6200	711.1000	274.25	5.000	4.984	559.6800	711.8000	273.93
6.000	5.980	493.8400	641.1000	268.37	6.000	5.980	493.6600	641.3000	269.14
7.000	6.976	434.4100	577.4000	262.09	7.000	6.976	434.1900	•577.7000	261.81
8.000	7.971	380.9200	519.4000	255.49	8.000	7.971	380.6700	519.8000	<i>2</i> 55.12
9.000	0.966	332.8+00	466.9000	248.35	9.000	8.966	332.5600	467.2000	<i>2</i> 47. 9 9
10.000	9.960	289.6700	419.2000	240. <i>7</i> 4	10.000	9.960	289.3600	419.3000	240.39
11.000	10.955	250.950 0	375.5000	23 2.91	11.000	10.955	250.6300	375.7000	232.40
12.000	11.949	216.3300	335.5000	224.61	12.000	11.949	216.0000	335.4000	224.37
13.000	12.972	185.4600	298.5000	216.48	13.000	12.942	185.1600	298.1000	216.38
1-4.000	13.936	158.0900	264.2000	208.45	1+.000	13.936	157.8300	263.7000	208.51
15.000	14.929	133.9400	232.3000	200.30	15.000	14.929	133.7400	231.4000	201.31
16.000	15.921	112.8000	202.5000	194.68	16.000	15.921	112.7200	201.1000	195.27
17.300	16.914	94.5500	173.3000	190.06	17.000	16.914	94.6110	171.7000	191.95
18.000	17.906	79.1910	143,4000	192.35	18.000	17.906	79.3300	143.3000	192.96
19.000	18.898	66 .5800	117.0000	198.32	19.000	18.898	66.7170	117.1000	198.51
20.000	19.889	56.2530	96.2300	203.53	20.000	19.889	56.3390	95.9700	204.73
21.000	189.05	47.7200	79.9000	208.05	21.000	20.891	47.8300	79.6800	209.38
22.000	21.871	40.6060	00دلا . 6 3	211.29	25.000	71.E71	40.7930	66.8100	212.72
23.000	22.862	34.6370	56.2700	214.42	23.000	2 2,962	34 . 8320	5 6.2700	215.66
24.000	23.652	29.6110	47.5 000	217.15	24.000	23.652	29.8050	47.5.100	218.51
25.000	24.842	25.3610	40.2000	219.46	∂5.000	24.842	25.5570	40.2300	201.31
26.000	25.832	21.7590	34 . 1600	221.93	P6.000	25.832	21.9560	34.1500	223.95
27.000	26.821	18.6990	29 .0600	254.15	27.000	26.821	18.8970	29.0500	226.65
28.000	27.810	16.09+0	24.7800	226.27	≥9 .000	27.810	16.2900	24.8400	268.45
23.000	28.799	13.8700	21.2000	227.87	29.000	28.799	14.0590	2:.2700	230.78
30.900	29.787	11.7061	18.1430	229.8 3	30.000	29.797	16.150 2	18.2200	232.33

TABLE STATION Z	IV. 5 = 912170 GEO. HT.) TAGU		ATMOSPHERE.	TABLE STATION Z	1V. 6 N = 912170	TAGU	JAC	ATMOSPHERE,
KM	KM	M9	G/M3	DEG K	KM	GEO. HT.		D	TV
.000	.000			303.58	.000	KM	MB	G/M3	DEG K
.111	.111		1149.0000	302.85	.111			1160.0000	303.86
0.000	.99		1063.0000	296.02	1.000	.111		1148.0000	303.12
2.000	1.999		964.9000	290.30	2.000	.997		1061.0000	296.53
3.000	2.991		873.0000	285.05	3.000	1.995			290.50
4.000	3.9A		769.8000	279.25	4.000	2.991			285.05
5.00 0	4.989		713.0000	273.51	5.000	3.989			279.20
6.000	5.980		642.2000	267.76	6.000	4,984 5,980			273.23
7.000	6.970	434.0900	578.3000	261.50	7.000	6.976			267.49
B.000	7.971	380.5300	520.1000	254.30	8.000	7.971			261.38
3.000	8.906	332.4000	467.4000	247.76	9.000	8.966			254.81
10.000	9.960	289.1800	419.6000	240.10	10.000	9.960			247.63
11.000	10.955	250.4300	375.8000	2 32.18	11.000	10.955			239.91
12.000	11.949		335.6000	224.01	12.000	11.949			231.83
13.000	(2.948	184.3300	238.3000	215.97	13.000	12.942			223.53
11+.000	13.936	157.5900	263.7000	208.27	14.000	13.936			215.32
15.000	14.929		230.9000	201.47	15.000	14.929			207.35 200.53
16.000	15.921		500 1000	196.02	16.000	15.921	112.2300		195.76
17.000	16.914		00 1	193.53	17.000	16.914	94.3880	167.8000	196.00
18.000	17.906		00 .پ، 141	195.18	'8.000	17.906			199.58
19.000	18.898		115.1000	200.93	19.000	18.898	67.2400	114.6000	204.33
20.000	19.889		95.4600	206.3B	20.000	19.883	57.0620		208.42
21.000	20.831		79.7200	210.75	21.000	20.881	48.5640	79.9600	211.55
22.000	21.871		67,0200	213.75	2a.000	21.871	41,4290	67.3100	214.43
23.000	22.862		56.4900	216.74	23.000	22.862	35.4120	55.8800	216.89
24.000	23.652		47.7500	219.52	24.000	23.652	30.3740	48.1700	219.32
25.000	24.842		40.5400	221.64	25.000	24.842	26.0130	40.8700	221.72
25.000	25.832		34.4600	224.29	26.000	<i>2</i> 5.832	22.3490	34.7900	223.78
27.000 28.000	158.85		29.4000	226.26	27.000	26.821	19.2290	29.6900	225.70
29.000	27.810 28.799		25.0900	228.48	28.000	27.810	16.5670	25.3300	28.7.55
39.000	29.787		21.4600	230.57	29.000	28.799	14.2910	21.7:00	229.31
39.030	C9. 101		19,4500	232.15	30.000	<i>2</i> 9.787	18.3401	18.5400	230.61
		JULY					AUGU:	ST	-
TABLE	IV. 7	HYDROCTAT		TMOSPHERE.	TABLE	IV. B	HYDROSTA	TIC MODEL /	THOCOLEGE
STATION .		TAGUAC			STATION	- 912170	TAGUA	יני יוסטפע ז	THUSPHERE.
	ŒΟ. HT.	P	D	TV		GEO. HT.	P	D	TV
KM	KM	MB	G/M3	DEC K	KM!	KM	MB	G/M3	DEGK
.000		1010.6000 1		303.63	.020	.000	1010.3000	1160.0000	303.37
.111 1.000	.111 .997	998.0500 1		302.91	.111	.111	997.7500	1149.0000	302.56
2.000	1.995	902.1300 1		295. 5 9	1.000	.997	901.8200	1059.0000	296.72
3.000	2.991		952.8000 872.1000	290.65	5.000	1.995	803.0700	962.3000	290.74
4.000	3.988		789.6000	285.11 279.07	3.000	5.991	713.4900	871.8000	285.11
5.000	4.984		713.3000	273,11	4.000	3.988	632.3900	789.1000	279.17
6.000	5.980		542.4000	267.39	5.000	4.984	559.080 0	712.7000	273. 28
7.000	6.976		578.0000	261.32	6.000	5.980	492.9900	641.8000	267.57
8.000	7.971		519.6000	254.80	7.000	6.976	433.5200	577.4000	261.57
9.000	8.966		466.9000	247.68	8.000	7.971	389.0600	519.0000	255.10
10.000			419.1000	239.99	9.000	8.966	332.0200	466.4000	2 47.93
11.000	10.955		375.7000	231.83	10.000 11.000		288.8800	418.8000	240.30
17.000	11.949		335.8000	223.41	12.000	10.955	250.1800	375.4000	२४२. १५
13.000	12.942		P98.8000	215.07	13.000	11.949	215.5500	335.7000	223.67
14.000	13.936	_	264.4000	206.95	14.000	12.942 13.936		299.9000	215.22
15.000	14.929	132,9400 8	231.8000	199.73	15.000	14.929	157.2300	264.7000	205.94
15.000	15.921	111.9600	199.9000	195.11	16.000	15.921		232.1000	199.69
17.000	16.914	94.2130	165.9000	197.85	17.000	16.914		200.0000	195.22
18.000	17.906		137.3000	201.69	18.000	17.906		166.0000	197.94
19.000	18.898		114.1000	205.57	19.000	18.898		137.4000	501.83
20.000	19.889	57.1720	95.3300	208.93	20.000	19.889	67.4080 57.2410	114.2000	205.67
21.000	20.881	48.6710	80.0000	211.78	21.000	20.681	48.7230	95.5400	208.72
22.000	21.671	41.5180	67.5400	214.15	22.000	21.871	41.5580	80.2100 67.6600	59.115
23.000	22.062	35.4700	57.1000	216.45	23.000	22.862	35 5030	67.6900 57.2200	213.97
24 .000	23.652	30.3720	48.3500	218.83	24.000	23.652	30.3740	57.2300	215.89
25.000 26.000	24.842	26.0410	41.0700	220.88	25.000	24.842	26.0030	48.6000 41.2600	217.74
26.000	25.832	22.3610	34.9500	222.90	26.000	25.832	55.30,80	35.000 0	219.70
27.000 29.000	26.821 27.810	19.2270	29.8100	224.72	27.000	26.821	19.1860	c9.6600	281.88 283-80
29.000	28.799	16.5540 14.2710	25.4300 21.7800	276.79	28.000	27.810	16 5080	25.4600	255.70
30.000	29.787	12.3143	10.,00	228.24 029.51	29.000	28,799	14.2210	21.8000	227.26
		*** * 21 13		(60:0)	30.000	29.787	12.2034	18.6500	228.53

SEPTEMBER

CONTROL CONTRO

TABLE STATION		HYDROSTAT TAGUAC	IC MODEL A	TMOSPHEPE,	TABLE STATION Z	IV. 10 = 912170 ŒO. HT.	HYDROSTA TAGUA		ATMOSPHERE,
_	SEO. HT.	•			КM	KM	MB		
KM	KM	MB	G/M3	DEG K	.000			G/M3	DEG K
.000		010.5000 1		303.54			1010.4000		303.61
. 111	.111	997.9300 1		302.84	.111	-111		1148.0000	302.90
1.000	.997	902.0400 1	058.0000	296.89	1.000	.997		1059.0000	29 6 . 85
2.000	1.995	803.3300	961.8000	290.96	2.000	1.995	803.2900	962.1000	290.87
3.000	2.991	713.7800	871.5000	285.33	3.000	2.991	713.7400	871.4000	285.34
4.000	3.988		789.2000	279. 29	4.000	3.988	632.6900	788.6000	279.49
5.000	4.984	559. 3 60 0	713.2000	273.24	5.000	4.984	559.4200	712.4000	273.57
	5.980		642.4000	267.45	6.000	5.980	493.3500	641.6000	267.86
6.000			578.0000	261.39	7.000	6.976	433.8800	577.6000	261.67
7.000	6.976		519.6000	254 . 87	8.000	7.971	380.3800		
8.000	7.971				9.000			519.5000	255.08
9.000	8.986		466.9000	247.76		8.966	332.2900	466.9000	247.93
10.000	9.960	288 8300	419.1000	240.14	10.000	9.960	289.1100	419.3000	24 0.21
11.000	10.955	250.1800	375 .7000	232.01	11.000	10.955	250.3800	375.7000	232.19
12.000	11.949	215.5300	335.9000	223.56	12.000	11.949	215.7400	335.7000	2 23. 8 7
13.000	12.942	184 . 6300	298.9000	215.18	13.000	12.942	184.8600	298.6000	215.63
14.000	13.936	157.2100	264.5000	207.06	14.000	13.936	157.4700	264.2000	207.62
15.000	14.929	133.0700	231.8000	200.00	15.000	14.929	133.3600	231.4000	200.7€
16.000	15.921	112.0900	199.9000	195.36	16.000	15.921	112.3700	200.5000	195.22
	16.914	94.2810	167.2000	196.47	17.000	16.914	94.3810	169.9000	193.51
17.000			138.2000	200.30	18.000	17.906	79.3340	140.4000	196.81
18.000	17.906	79.4740			19.000	18.698			
19.000	18.898	67.2210	114.6000	204.38			66.9490	115.2000	202.42
20.000	19.889	57.0320	95.6300	207.76	20.000	19.889	56.7280	95.6900	206.53
21.000	188.05	48.5140	80.1400	210.90	21.000	20.881	48.2190	79.9300	210.19
22.000	21.871	41.3540	67.6000	213.12	22.000	21.871	41.0930	67.1600	213.15
23.000	23.862	35.3090	57.1700	215.1 6	23.000	23.862	35.0970	56.8000	215.18
24.000	23.652	30.1950	48.4300	217.22	24.000	23.652	30.0080	48.0600	217.53
25.000	24.842	25.6630	41.0200	219.63	25.000	24.842	25.7100	40.7000	220.07
26.000	25.832	22.1900	34.8600	221.74	26.000	25.832	22.0700	34.5100	222.80
	26.821	19.0670	29.6600	223.95	27.000	26.821	18.9780	29.3700	225.12
27.000			25.2900	226.07	28.000	27.810	16.3440	25.0700	
28.000	27.810	15.4090		228.38	29.000	28.799			227.13
29.000	28.799	14.1920	21.5700				14.0950	21.4200	229.21
30. 000	2 9.787	12.2050	18.4900	229.59	30.000	29.7 87	12.1731	18.3300	231.29
							DECEMBER	•	
TABLE	tv. t1		ATIC MODEL	ATMOSPHERE,	TABLE	17. 15	HYDROSTA	ATIC MODEL	ATMOSPHERE,
STATION	912170	HYDROST/	ATIC MODEL	·	STATION	912170	HYDROST/	NTIC MODEL	·
		HYDROSTA	ATIC MODEL	ATMOSPHERE.			HYDROSTA	ATIC MODEL	ATMOSPHERE,
STATION	912170	HYDROST/	ATIC MODEL	·	STATION	912170	HYDROST/	NTIC MODEL	·
STATION	912170 GEO. HT. KM	HYDROST/ TAGU	ATIC MODEL AC D G/M3	TV	STATION Z	912170 GEO. HT. KM	HYDROST/ TAGU/	ATIC MODEL AC D G/M3	TV
STATION Z KM .000	912170 GEO. HT. KM	HYDROSTA TAGU P MB 1010.4000	ATIC MODEL AC D G/M3	TV DEG K	STATION Z KM .000	912170 GEO. HT. KM .000	HYDROSTA TAGUA P MB 1012.0000	ATIC MODEL AC D G/M3 1164.0000	TV DEG K 302.85
STATION Z KM .000 .111	# 912170 GEO. HT. KM .000	HYDROST/ TAGU/ P MB 1010.4000 997.8700	ATIC MODEL AC D G/M3 1160.0000 1148.0000	TV DEG K 303.57 302.86	STATION Z KM .000 .111	912170 GEO. HT. KM .000	HYDROST/ TAGU/ P MB 1012.0000 999.4300	ATIC MODEL AC D G/M3 1164.0000	TV DEG K 302.85 302.18
STATION Z KM .000 .111 1.000	1 = 912170 GEO. HT. KM .000 .111	HYOROSTI TAGU P MB 1010.4000 997.8700 901.9400	ATIC MODEL AC D G/M3 1160.0000 1148.0000	TV DEG K 303.57 302.86 295.56	STATION Z KM .000 .111 1.000	912170 GEO. HT. KM .000 .111	HYDROST/ TAGU/ P MB 1012.0000 999.4300 903.1000	ATIC MODEL AC D G/M3 1164.0000 1152.0000	TV DEG K 302.85 302.18 295.65
STATION Z KM .000 .111 1.000 2.000	1 = 912170 GEO. HT. KM .000 .111 .997 1.995	HYOROSTI TAGU P MB 1010.4000 997.8700 901.9400 803.1700	ATIC MODEL AC D G/M3 1160.0000 1148.0006 1059.0000 962.0000	TV DEG K 303.57 302.88 295.56 290.85	STATION Z KM .000 .111 1.000 2.000	GEO. HT. KM .000 .111 .997	HYDROST/ TAGU/ P MB 1012.0000 999.4300 903.1000 803.9600	ATIC MODEL AC D G/M3 1164.0000 1152.0000 1064.0000 965.0000	TV DEG K 302.85 302.18 295.65 290.22
STATION Z KM .000 .111 1.000 2.000 3.000	# 912170 GEO, HT. KM .000 .111 .997 1.995 2.991	HYOROSTA TAGUA P MB 1010.4000 997.8700 901.9400 803.1700 713.6500	ATIC MODEL AC D G/M3 1160.0000 1148.0000 1059.0000 962.0000 870.9000	TV DEG K 303.57 302.88 295.56 290.85 295.47	STATION Z KM .000 .111 1.000 2.000 3.000	GEO. HT. KM .000 .111 .997 1.995 2.991	HYDROST/ TAGU/ P MB 1012.0000 999.4300 903.1000 803.9600 714.2400	ATIC MODEL AC D G/M3 1164.0000 1152.0000 1064.0000 965.0000 871.9000	TV DEG K 302.85 302.18 295.65 290.22 285.38
STATION Z KM .000 .111 1.000 2.000 3.000 4.000	# 912170 GEO. HT. KM .000 .111 .997 1.995 2.991 3.988	HYOROST/ TAGU, P MB 1010.4000 997.8700 901.9400 803.1700 713.6500 632.6600	ATIC MODEL AC D G/M3 1160.0000 1148.0000 1059.0000 962.0000 670.9000 787.7000	TV DEG K 303.57 302.86 295.56 290.85 285.47 279.80	STATION Z KM .000 .111 1.000 2.000 3.000 4.000	GEO. HT. KM .000 .111 .997 1.995 2.991 3.988	HYDROST/ TAGU/ P MB 1012-0000 999-4300 903-1000 803-9600 714-2400 633-2000	ATIC MODEL AC D G/M3 1164.0000 1152.0000 1152.0000 965.0000 871.9000 788.0000	TV DEG K 302.85 302.18 295.65 290.22 265.38 279.93
STATION Z KM .000 .111 1.000 2.000 3.000 4.000 5.000	# 912170 GEO. HT. KM .000 .111 .997 1.995 2.991 3.988 4.984	HYDROST/ TAGU, P MB 1010.4000 997.8700 901.9400 803.1700 632.6500 553.4900	ATIC MODEL AC D G/M3 1160.0000 1148.0000 1059.0000 962.0000 870.9000 787.7000 711.4000	TV DEG K 303.57 302.88 295.56 290.85 285.47 279.80 273.97	STATION Z KM .000 .111 1.000 2.000 3.000 4.000 5.000	= 912170 GEO. HT. KM .000 .111 .997 1.995 2.991 3.988 4.984	HYDROST/ TAGU/ P MB 1012.0000 999.4300 903.1000 803.9600 714.2400 633.2000 559.9800	ATIC MODEL AC D G/M3 1164.0000 1152.0000 1064.0000 965.0000 871.9000 788.0000	TV DEG K 302.85 302.18 295.65 290.22 285.38 279.93 274.02
STATION Z KM .000 .111 1.000 2.000 3.000 4.000 5.000	I = 912170 GEO. HT. KM .000 .111 .997 1.995 2.991 3.988 4.584 5.980	HYDROST/ TAGU, P MB 1010.4000 997.8700 901.9400 803.1700 713.6500 532.6600 559.4900 493.4800	ATIC MODEL AC D G/M3 1160.0000 1148.0000 1059.0000 962.0000 070.9000 787.7000 711.4000 641.3000	TV DEG K 303.57 302.88 296.56 290.85 285.47 279.80 273.97 208.06	STATION Z KM .000 .111 1.000 2.000 3.000 4.000 5.000 5.000	1 = 912170 GEO. HT. KM .000 .111 .997 1.995 2.991 3.988 4.984 5.980	HYDROST/ TAGU/ P MB 1012-0000 999-4300 903-1000 803-9600 714-2-400 633-2000 559-9800 493-9200	ATIC MODEL AC 0 G/M3 1164-0000 1152-0000 965-0000 971-9000 788-0000 711-9000 641-9000	TV DEG K 302.85 302.18 295.65 290.22 265.38 279.93 274.02 268.07
STATION Z KM .000 .111 1.000 2.000 3.000 4.000 5.000 7.000	I = 912170 GEO. HT. KM .000 .111 .937 1.995 2.991 3.988 4.584 5.980 6.976	HYDROST/ TAGU/ P MB 1010.4000 997.8700 901.9400 803.1700 713.6500 632.6600 559.4930 493.4800	ATIC MODEL AC D G/M3 1160.0000 1148.0000 1059.0000 962.0000 870.9000 787.7000 711.4000 641.3000 577.4000	TV DEG K 303.57 302.86 295.56 290.85 285.47 279.80 273.97 268.06 261.83	STATION Z KM .000 .111 1.000 2.000 3.000 4.000 5.000 5.000 7.000	1 = 912170 GEO. HT. KM .000 .111 .997 1.995 2.991 3.988 4.984 5.980 6.976	HYDROST/ TAGU/ P MB 1012-0000 999-4300 903-1000 803-9600 714-2400 633-2000 559-9800 493-9200 434-4100	ATIC MODEL AC D G/M3 1164.0000 1152.0000 965.0000 871.9000 788.0000 641.9000 578.2000	TV DEG K 302.85 302.18 295.65 290.22 265.38 279.93 274.02 268.07 261.75
STATION Z KM .000 .111 1.000 2.000 3.000 4.000 5.000 6.000 7.000 8.000	1 = 912170 GEO. HT. KM .000 .111 .937 1.995 2.991 3.988 4.584 5.980 6.976 7.971	HYDROST/ TAGU: P MB 1010.4000 997.8700 901.9400 903.1700 713.6500 632.6600 593.4800 493.4800 434.0300 380.5600	ATIC MODEL AC D G/M3 1160.0000 1148.0000 1059.0000 962.0000 870.9000 787.7000 711.4000 641.3000 577.4000 519.3000	TV DEG K 303.57 302.88 295.56 290.85 285.47 279.80 273.97 268.06 261.83 255.29	STATION Z KM .000 .111 1.000 2.000 3.000 4.000 5.000 5.000 7.000	1 = 912170 GEO. HT. KM .000 .111 .997 1.995 2.991 3.988 4.984 5.980 6.976 7.971	HYDROST/ TAGU/ P MB 1012.0000 999.4300 903.1000 803.9600 714.2400 633.2000 559.9800 434.4100 380.8600	ATIC MODEL AC D G/M3 1164.0000 1064.0000 965.0000 871.9000 788.0000 711.9000 641.9000 578.2000 519.9000	TV DEG K 302.85 302.18 295.65 290.22 265.38 279.93 274.02 268.07 261.75 255.19
STATION Z KM .000 .111 1.000 2.000 3.000 4.000 5.000 7.000	1 = 912170 GEO. HT. KM .000 .111 .997 1.995 2.991 3.988 4.984 5.980 6.976 7.971 8.966	HYDROST/ TAGU, P MB 1010.4000 997.8700 901.9400 803.1700 713.6500 632.6600 553.4900 434.0300 380.5600 332.4900	ATIC MODEL AC D G/M3 1160.0000 1148.0000 1059.0000 962.0000 870.9000 787.7000 711.4000 641.3000 577.4000 519.3000 466.7000	TV DEG K 303.57 302.86 295.56 290.85 285.47 279.80 273.97 268.06 261.83	STATION Z KM .000 .111 1.000 2.000 3.000 4.000 5.000 5.000 7.000	1 = 912170 GEO. HT. KM .000 .111 .997 1.995 2.991 3.988 4.984 5.980 6.976	HYDROST/ TAGU/ P MB 1012-0000 999-4300 903-1000 803-9600 714-2400 633-2000 559-9800 493-9200 434-4100	ATIC MODEL AC D G/M3 1164.0000 1152.0000 965.0000 871.9000 788.0000 641.9000 578.2000	TV DEG K 302.85 302.18 295.65 290.22 285.38 279.93 274.02 268.07 261.75 255.19 248.00
STATION Z KM .000 .111 1.000 2.000 3.000 4.000 5.000 6.000 7.000 8.000	1 = 912170 GEO. HT. KM .000 .111 .937 1.995 2.991 3.988 4.584 5.980 6.976 7.971	HYDROST/ TAGU, P MB 1010.4000 997.8700 901.9400 803.1700 713.6500 632.6600 553.4900 434.0300 380.5600 332.4900	ATIC MODEL AC D G/M3 1160.0000 1148.0000 1059.0000 962.0000 870.9000 787.7000 711.4000 641.3000 577.4000 519.3000 466.7000	TV DEG K 303.57 302.88 295.56 290.85 285.47 279.80 273.97 268.06 261.83 255.29	STATION Z KM .000 .111 1.000 2.000 3.000 4.000 5.000 5.000 7.000	1 = 912170 GEO. HT. KM .000 .111 .997 1.995 2.991 3.988 4.984 5.980 6.976 7.971	HYDROSTA TAGUA P MB 1012.0000 999.4300 903.1000 803.9600 714.2400 633.2000 559.9800 493.9200 434.4100 380.6600 332.7300	ATIC MODEL AC D G/M3 1164.0000 1064.0000 965.0000 871.9000 788.0000 711.9000 641.9000 578.2000 519.9000	TV DEG K 302.85 302.18 295.65 290.22 265.38 279.93 274.02 268.07 261.75 255.19
STATION Z KM .000 .111 1.000 2.000 3.000 4.000 5.000 7.000 8.000 9.000	1 = 912170 GEO. HT. KM .000 .111 .997 1.995 2.991 3.988 4.984 5.980 6.976 7.971 8.966	HYDROST/ TAGU, P MB 1010.4000 997.8700 901.9400 803.1700 713.6500 632.6500 559.4900 434.0300 380.5600 380.5600 382.4900 289.3300	ATIC MODEL AC D G/M3 1160.0000 1148.0000 1059.0000 962.0000 870.9000 787.7000 711.4000 641.3000 577.4000 519.3000 466.7000 418.9000	TV DEG K 303.57 302.88 295.56 290.85 285.47 279.80 273.97 208.06 261.80 255.29 248.19	STATION Z KM .000 .111 1.000 2.000 3.000 4.000 5.000 5.000 7.000 9.000 9.000	1 = 912170 GEO. HT. KM .000 .111 .997 1.995 2.991 3.988 4.984 5.980 6.976 7.971 8.966 9.960	HYDROST/ TAGU/ P M8 1012-0000 999-4300 903-1000 803-9600 714-2-00 633-2000 559-9800 434-4100 380-8600 332-7303 269-5100	ATIC MODEL AC D G/M3 1164.0000 1152.0000 1064.0000 965.0000 871.9000 788.0000 711.9000 641.9000 578.2000 519.9000 467.4000 419.7000	TV DEG K 302.85 302.18 295.65 290.22 285.38 279.93 274.02 268.07 261.75 255.19 248.00
STATION Z KM .000 .111 1.000 2.000 3.000 4.000 5.000 7.000 8.000 9.000 10.000	I = 912170 GEO. HT. KM .000 .111 .997 1.995 2.991 3.988 4.584 5.980 6.976 7.971 8.966	HYDROST/ TAGU, P MB 1010.4000 997.8700 901.9400 803.1700 713.6500 559.4930 493.4800 434.0330 380.5600 289.3300 289.3300 250.0550	ATIC MODEL AC D G/M3 1160.0000 1148.0000 962.0000 970.9000 771.4000 641.3000 577.4000 519.3000 466.7000 418.9000 375.3000	TV DEG K 303.57 302.88 295.56 290.85 285.47 279.80 273.97 268.06 261.80 255.29 248.19 240.61	STATION Z KM .000 .111 1.000 2.000 3.000 4.000 5.000 5.000 7.000 8.000 9.000 10.000	1 = 912170 GEO. HT. KM .000 .111 .997 1.995 2.991 3.988 4.984 5.980 6.976 7.971 8.966 9.960 10.955	HYDROST/ TAGU/ P MB 1012-0000 999-4300 903-1000 803-9600 714-2-400 633-2000 559-9800 493-9200 434-4100 380-6600 332-7300 269-5100	ATIC MODEL AC 0 G/M3 1164.0000 1152.0000 965.0000 971.9000 711.9000 641.9000 578.2000 578.2000 467.4000 419.7000 375.9000	TV DEG K 302.85 302.18 295.65 290.22 265.38 279.93 274.02 268.07 261.75 255.19 248.00 240.33 232.40
STATION Z KM .000 .111 1.000 2.000 3.000 4.000 5.000 7.000 8.000 9.000 10.000 11.000	I = 912170 GEO. HT. KM .000 .111 .937 1.995 2.991 3.988 4.984 5.980 6.976 7.971 8.966 9.960	HYDROST/ TAGU/ P MB 1010.4000 997.8700 901.9400 803.1700 713.6500 632.6600 559.4900 434.0300 380.5600 332.4900 250.5500 216.0500	ATIC MODEL AC D G/M3 1160.0000 1148.0000 1059.0000 962.0000 870.9000 787.7000 711.4000 641.3000 577.4000 519.3000 466.7000 418.9000 375.3000 335.2000	TV DEG K 303.57 302.88 295.56 290.85 285.47 279.80 273.97 268.06 261.89 255.29 248.19 240.61 232.66 224.53	STATION Z KM .000 .1111 1.000 2.000 3.000 9.000 5.000 7.000 8.000 9.000 10.000 11.000 12.000	1 = 912170 GEO. HT. KM .000 .111 .997 1.995 2.991 3.988 4.984 5.980 6.976 7.971 8.966 9.960 10.955 11.949	HYDROST/ TAGU/ P MB 1012-0000 999-4300 903-1000 803-9600 714-2400 633-2000 439-9200 434-4100 380-8600 332-7300 269-5100 256-7500 216-1000	ATIC MODEL AC D G/M3 1164.0000 1152.0000 965.0000 871.9000 798.0000 578.2000 578.2000 519.9000 419.7000 375.9000 335.7000	TV DEG K 302.85 302.18 295.65 290.22 265.38 279.93 274.02 268.07 261.75 255.19 248.00 240.33 232.40 224.22
STATION Z KM .000 .111 1.000 2.000 3.000 4.000 5.000 6.000 7.000 8.000 9.000 10.000 11.000 12.000	1 = 912170 GEO. HT. KM .000 .111 .937 1.995 2.991 3.988 4.584 5.980 6.976 7.971 8.966 9.960 10.955 11.949 12.942	HYDROST/ TAGU/ P MB 1010.4000 997.8700 901.9400 903.1700 713.6500 632.6500 559.4930 434.0300 380.5600 332.4900 250.5500 250.5500 166.0500 185.2200	ATIC MODEL AC D G/M3 1160.0000 1148.0000 962.0000 870.9000 787.7000 711.4000 641.3000 577.4000 519.3000 466.7000 418.9000 375.3000 375.3000 298.1600	TV DE6 K 303.57 302.88 295.56 290.85 285.47 279.80 273.97 268.06 261.83 255.29 248.19 240.61 232.66 224.53 216.45	STATION Z KM .000 .1111 1.000 2.000 3.000 4.000 5.000 5.000 7.000 8.000 9.000 10.000 11.000 12.000 13.000	1 = 912170 GEO. HT. KM .000 .111 .997 1.995 2.991 3.988 4.984 5.980 6.976 7.971 8.966 9.960 10.955 11.949 :2.942	HYDROST/ TAGU/ P MB 1012-0000 999-4300 903-1000 803-9600 714-2400 633-2000 493-9800 493-9200 434-4100 380-8600 332-7300 299-5100 216-1000 185-2200	ATIC MODEL AC D G/M3 1164.0000 1152.0000 965.0000 871.9000 788.0000 578.2000 579.9000 467.4000 419.7000 375.9000 335.7000 298.6000	TV DEG K 302.85 302.18 295.65 290.22 265.38 279.93 274.02 268.07 261.75 255.19 248.00 240.33 232.40 224.22 216.12
STATION Z KM .000 .111 1.000 2.000 3.000 4.000 5.000 7.000 8.000 9.000 10.000 12.000 13.000 14.000	1 = 912170 GEO. HT. KM .000 .111 .997 1.995 2.991 3.988 4.584 5.980 6.976 7.971 8.966 9.960 10.955 11.942 13.936	HYDROST/ TAGU, P MB 1010.4000 997.8700 901.9400 632.6500 632.6500 434.0300 434.0300 289.3300 250.0500 165.2200 157.8800	ATIC MODEL AC D G/M3 1160.0000 1148.0006 1059.0000 962.0000 787.7000 711.4000 641.3000 577.4000 519.3000 418.9000 375.3000 418.9000 375.3000 298.1600 263.8000	TV DEG K 303.57 302.88 295.56 290.85 285.47 279.80 273.97 268.06 261.83 255.29 248.19 240.61 232.66 224.53 216.45 208.51	STATION Z KM .000 .1111 1.000 2.000 3.000 4.000 5.000 5.000 7.000 8.000 9.000 10.000 11.000 12.000 13.000 14.000	1 = 912170 GEO. HT. KM .000 .111 .997 1.995 2.991 3.988 4.984 5.980 6.976 7.971 8.966 9.960 10.955 11.949 22.942 13.936	HYDROSTA TAGUA P MB 1012-0000 999-4300 903-1000 603-9600 714-2400 633-2000 559-9800 434-4100 380-8600 332-7303 289-5100 256-7500 256-7500 216-1000 185-2200 157-8400	ATIC MODEL AC D G/M3 1164.0000 1064.0000 965.0000 871.9000 788.0000 711.9000 578.2000 519.9000 467.4000 419.7000 375.9000 335.7000 264.1000	TV DEG K 302.85 302.18 295.65 290.22 265.38 279.93 274.02 268.07 261.75 255.19 248.00 240.33 232.40 224.22 216.12 208.20
STATION Z KM .000 .111 1.000 2.000 3.000 4.000 5.000 7.000 8.000 9.000 10.000 11.000 12.000 13.000 14.000	I = 912170 GEO. HT. KM .000 .111 .997 1.995 2.991 3.988 4.584 5.980 6.976 7.971 8.966 9.960 10.955 11.949 12.942 13.936	HYDROST/ TAGU, P MB 1010.4000 997.8700 901.9400 803.1700 713.6500 632.6500 434.0300 434.0300 380.5600 289.3300 289.3300 216.0500 165.2200 157.8800 133.7800	ATIC MODEL AC D G/M3 1160.0000 1148.0000 1059.0000 962.0000 787.7000 711.4000 519.3000 466.7000 418.9000 375.3000 335.2000 298.1000 263.8000 231.5000	TV DEG K 303.57 302.88 295.56 290.85 285.47 279.80 273.97 208.06 261.89 248.19 240.61 232.66 224.53 216.45 208.51 201.22	STATION Z KM .000 .111 1.000 2.000 3.000 4.000 5.000 7.000 9.000 10.000 11.000 12.000 14.000 15.000	1 = 912170 GEO. HT. KM000 .111997 1.995 2.991 3.988 4.984 5.980 6.976 7.971 8.966 9.960 10.955 11.949 12.942 13.936	HYDROST/ TAGU/ P M8 1012-0000 999-4300 903-1000 803-9600 714-2400 559-9800 434-4100 380-8600 332-7300 269-5100 256-7500 216-1000 185-2200 157-8400	ATIC MODEL AC D G/M3 1164.0000 1152.0000 1064.0000 965.0000 871.9000 641.9000 578.2000 579.2000 419.7000 375.9000 375.9000 298.6000 264.1000 232.0000	TV DEG K 302.85 302.18 295.65 290.22 265.38 279.93 274.02 268.07 261.75 255.19 248.00 240.33 232.40 224.22 216.12 208.20 200.81
STATION Z KM .000 .111 1.000 2.000 3.000 4.000 5.000 7.000 8.000 9.000 10.000 11.000 12.000 14.000 15.000 16.000	I = 912170 GEO. HT. KM .000 .111 .997 1.995 2.991 3.988 4.984 5.980 6.976 7.971 8.966 9.950 10.955 11.949 12.942 13.936 14.929 15.921	HYDROST/ TAGU, P MB 1010.4000 997.8700 901.9400 803.1700 713.6500 559.4900 434.0300 380.5600 289.3300 289.3300 260.0500 216.0500 185.2200 133.7800 112.7200	ATIC MODEL AC D G/M3 1160.0000 1148.0000 1059.0000 962.0000 070.9000 787.7000 711.4000 641.3000 577.4000 519.3000 466.7000 418.9000 375.3000 335.2000 298.16000 231.5000 201.6000	TV DEG K 303.57 302.88 295.56 290.85 295.47 279.80 273.97 208.06 261.83 255.29 248.19 240.61 232.66 224.53 216.45 208.51 201.22 194.79	STATION Z KM .000 .111 1.000 2.000 3.000 9.000 9.000 9.000 10.000 11.000 12.000 13.000 14.000 15.000 16.000	" = 912170 GEO. HT. KM .000 .111 .997 1.995 2.991 3.988 4.984 5.980 6.976 7.971 8.966 9.960 10.955 11.949 12.942 13.936 14.929 15.921	HYDROST/ TAGU/ P MB 1012-0000 999-4300 903-1000 803-9600 714-2-400 559-9800 434-4100 380-6600 332-7300 269-5100 216-1000 157-8400 112-6100	ATIC MODEL AC 0 G/M3 1164.0000 1152.0000 1064.0000 965.0000 871.9000 641.9000 578.2000 578.2000 467.4000 467.4000 419.7000 375.9000 335.7000 298.6000 232.0000 202.1000	TV DEG K 302.85 302.18 295.65 290.22 265.38 279.93 274.02 268.07 261.75 255.19 248.00 240.33 232.40 224.22 216.12 200.81 194.14
STATION Z KM .000 .111 1.000 2.000 3.000 4.000 5.000 7.000 8.000 9.000 10.000 11.000 12.000 14.000 15.000 16.000 17.000	1 = 912170 GEO. HT. KM .000 .111 .937 1.995 2.991 3.988 4.984 5.980 6.976 7.971 8.966 9.960 10.955 11.949 12.942 13.936 14.929 14.929 16.914	HYDROST/ TAGU, P M8 1010.4000 997.8700 901.9400 803.1700 713.6500 559.4900 493.4800 434.0300 380.5600 289.3300 289.3300 250.6500 165.2200 157.8800 133.7800 112.7700 94.5630	ATIC MODEL AC D G/M3 1160.0000 1148.0000 1059.0000 962.0000 870.9000 787.7000 711.4000 577.4000 577.4000 519.3000 466.7000 418.9000 375.3000 231.5000 231.5000 201.6000 172.2000	TV DEG K 303.57 302.88 295.56 290.85 285.47 279.80 273.97 268.06 261.89 255.29 248.19 240.61 232.66 224.53 216.45 208.51 201.22 191.36	STATION Z KM .000 .1111 1.000 2.000 3.000 9.000 5.000 7.000 8.000 9.000 10.000 11.000 12.000 13.000 14.000 15.000 15.000 17.000 17.000	I = 912170 GEO. HT. KM .000 .111 .997 1.995 2.991 3.988 4.984 5.980 6.976 7.971 8.966 9.960 10.955 11.949 12.942 13.936 14.929 15.921 16.914	HYDROST/ TAGU/ P MB 1012-0000 999,4300 903.1000 803.9600 714.2400 633.2000 434.4100 380.8600 332.7300 269.5100 266.7500 216.1000 185.2200 133.7100 112.6100 94.3770	ATIC MODEL AC	TV DEG K 302.85 302.18 295.65 290.22 265.38 279.93 274.02 268.07 261.75 255.19 248.00 240.33 232.40 224.22 216.12 208.20 200.81 194.14 189.72
STATION Z KM .000 .111 1.000 2.000 3.000 4.000 5.000 6.000 7.000 8.000 9.000 10.000 11.000 12.000 14.000 15.000 16.000 17.000 18.000	1 = 912170 GEO. HT. KM .000 .111 .997 1.995 2.991 3.988 4.584 5.980 6.976 7.971 8.966 9.950 10.955 11.949 12.942 13.936 14.929 15.914 17.906	HYDROST/ TAGU/ P MB 1010.4000 997.8700 901.9400 803.1700 713.6500 559.4900 434.0300 380.5600 332.4900 250.0500 250.0500 165.2200 157.6800 112.7200 94.5630 79.2830	ATIC MODEL AC D G/M3 1160.0000 1148.0000 1059.0000 962.0000 870.9000 787.7000 711.4000 577.4000 519.3000 418.9000 375.3000 335.2000 298.1000 263.8000 201.6000 172.2000 143.0000	TV DEG K 303.57 302.88 295.56 290.85 285.47 279.80 273.97 268.06 261.89 248.19 240.61 232.66 224.53 216.45 208.51 201.22 194.79 191.36 193.13	STATION Z KM .000 .1111 1.000 2.000 3.000 4.000 5.000 5.000 7.000 8.000 9.000 11.000 11.000 12.000 13.000 14.000 15.000 15.000 17.000 18.000	1 = 912170 GEO. HT. KM .000 .111 .997 1.995 2.991 3.988 4.984 5.980 6.976 7.971 8.966 9.960 10.955 11.949 12.942 13.936 14.929 15.921 16.914 17.906	HYDROST/ TAGU/ P M8 1012-0000 999-4300 903-1000 803-9600 714-2400 633-2000 493-9200 434-4100 380-8600 332-7300 289-5100 216-1000 185-2200 157-8400 112-6100 94-3770 78-9980	ATIC MODEL AC O G/M3 1164.0000 1152.0000 1064.0000 965.0000 871.9000 788.0000 579.2000 519.9000 467.4000 419.7000 375.9000 335.7000 298.6000 264.1000 232.0000 173.33000 143.8000	TV DEG K 302.85 302.18 295.65 290.22 285.38 279.93 274.02 268.07 261.75 255.19 248.00 244.22 216.12 208.20 200.81 194.14 169.72 191.37
STATION Z KM .000 .111 1.000 2.000 3.000 4.000 5.000 6.000 7.000 8.000 9.000 10.000 11.000 12.000 13.000 14.000 15.000 16.000 17.000 18.000 19.000	1 = 912170 GEO. HT. KM .000 .111 .997 1.995 2.991 3.988 4.984 5.980 6.976 7.971 8.966 9.960 10.955 11.949 12.992 13.936 14.929 15.921 16.914 17.906 18.898	HYDROST/ TAGU, P MB 1010.4000 997.8700 901.9400 632.6500 559.4900 434.0300 289.3300 250.0500 216.0500 157.6800 133.7800 112.7700 94.5630 79.2830 66.7130	ATIC MODEL AC D G/M3 1160.0000 1148.0000 1059.0000 870.9000 787.7000 711.4000 641.3000 577.4000 519.3000 418.9000 375.3000 418.9000 375.3000 263.8000 263.8000 261.6000 172.2000 114.0000 116.5000	TV DEG K 303.57 302.88 295.56 290.85 285.47 279.80 273.97 268.06 261.83 248.19 240.61 232.66 224.53 216.45 208.51 201.22 194.79 191.36 193.13 199.46	STATION Z KM .000 .1111 1.000 2.000 3.000 4.000 5.000 5.000 7.000 8.000 9.000 10.000 11.000 12.000 13.000 14.000 15.000 16.000 17.000 16.000 17.000 18.000 19.000	= 912170 GEO. HT. KM .000 .111 .997 1.995 2.991 3.988 4.984 5.980 6.976 7.971 8.966 9.960 10.955 11.949 12.942 13.936 14.929 15.921 16.914 17.906 18.898	HYDROST/ TAGU/ P MB 1012-0000 999-4300 903-1000 803-9600 714-2400 633-2000 559-9800 434-4100 380-8600 332-7300 250-7500 250-7500 165-2200 157-8400 133-7100 94-3770 76-9980 66-3910	ATIC MODEL AC O G/M3 1164.0000 1064.0000 965.0000 871.9000 788.0000 578.2000 579.9000 467.4000 419.7000 232.0000 232.0000 232.0000 202.1000 213.3000 115.6000	TV DEG K 302.85 302.18 295.65 290.22 265.38 279.93 274.02 268.07 261.75 255.19 248.00 240.33 232.40 224.22 216.12 208.20 200.81 194.14 189.72 191.37 198.41
STATION Z KM .000 .111 1.000 2.000 3.000 4.000 5.000 7.000 8.000 10.000 11.000 12.000 13.000 14.000 15.000 16.000 17.000 18.000 19.000	I = 912170 GEO. HT. KM .000 .111 .997 1.995 2.991 3.988 4.984 5.980 6.976 7.971 8.966 9.960 10.955 11.949 12.942 13.936 14.929 15.921 16.914 17.906 18.898	HYDROST/ TAGU, P MB 1010.4000 997.8700 901.9400 803.1700 713.6500 632.6500 434.0300 434.0300 289.3300 250.0500 166.0500 157.8800 133.7800 112.7700 94.5630 79.2830 79.2830 56.4340	ATIC MODEL AC D G/M3 1160.0000 1148.0000 1148.0000 962.0000 970.9000 770.9000 771.4000 577.4000 519.3000 466.7000 418.9000 375.3000 375.3000 298.1600 263.8000 263.8000 261.6000 172.2000 116.5000 95.7200	TV DEG K 303.57 302.88 295.56 290.85 285.47 279.80 273.97 208.06 261.89 248.19 240.61 232.66 224.53 216.45 208.51 201.22 194.79 191.36 193.13 199.46 205.38	STATION Z KM .000 .111 1.000 2.000 3.000 4.000 5.000 5.000 7.000 8.000 9.000 10.000 11.000 12.000 13.000 14.000 15.000 17.000 17.000 18.000 19.000 19.000	1 = 912170 GEO. HT. KM .000 .111 .997 1.995 2.991 3.988 4.984 5.980 6.976 7.971 8.966 9.960 10.955 11.949 12.942 13.936 14.929 15.921 16.914 17.906	HYDROST/ TAGU/ P M8 1012-0000 999-4300 903-1000 803-9600 714-2400 633-2000 493-9200 434-4100 380-8600 332-7300 289-5100 216-1000 185-2200 157-8400 112-6100 94-3770 78-9980	ATIC MODEL AC O G/M3 1164.0000 1152.0000 1064.0000 965.0000 871.9000 788.0000 579.2000 519.9000 467.4000 419.7000 375.9000 335.7000 298.6000 264.1000 232.0000 173.33000 143.8000	TV DEG K 302.85 302.18 295.65 290.22 285.38 279.93 274.02 268.07 261.75 255.19 248.00 244.22 216.12 208.20 200.81 194.14 169.72 191.37
STATION Z KM .000 .111 1.000 2.000 3.000 4.000 5.000 7.000 8.000 9.000 10.000 11.000 12.000 13.000 14.000 15.000 16.000 17.000 18.000 19.000 19.000	I = 912170 GEO. HT. KM .000 .111 .997 1.995 2.991 3.988 5.980 6.976 7.971 8.966 9.950 10.955 11.949 12.942 13.936 14.929 15.921 16.914 17.906 18.898 19.889 20.881	HYDROST/ TAGU, P M8 1010.4000 997.8700 901.9400 803.1700 713.6500 559.4930 493.4800 434.0330 380.5600 289.3300 289.3300 250.3500 216.0530 185.2200 185.2200 194.5630 79.2830 66.7130 56.4340 47.9310	ATIC MODEL AC D G/M3 1160.0000 1148.0000 1148.0000 962.0000 970.9000 771.4000 577.4000 577.4000 577.4000 375.3000 375.3000 335.2000 298.16000 263.8000 201.6000 172.2000 143.0000 95.7200 79.7700	TV DEG K 303.57 302.88 295.56 290.85 295.47 279.80 273.97 208.06 261.83 255.29 248.19 240.61 232.66 224.53 216.45 208.51 201.22 194.79 191.36 193.13 199.46 205.38 209.31	STATION Z KM .000 .1111 1.000 2.000 3.000 4.000 5.000 5.000 7.000 8.000 9.000 10.000 11.000 12.000 13.000 14.000 15.000 16.000 17.000 16.000 17.000 18.000 19.000	= 912170 GEO. HT. KM .000 .111 .997 1.995 2.991 3.988 4.984 5.980 6.976 7.971 8.966 9.960 10.955 11.949 12.942 13.936 14.929 15.921 16.914 17.906 18.898	HYDROST/ TAGU/ P MB 1012-0000 999-4300 903-1000 803-9600 714-2400 633-2000 559-9800 434-4100 380-8600 332-7300 250-7500 250-7500 165-2200 157-8400 133-7100 94-3770 76-9980 66-3910	ATIC MODEL AC O G/M3 1164.0000 1064.0000 965.0000 871.9000 788.0000 578.2000 579.9000 467.4000 419.7000 232.0000 232.0000 232.0000 202.1000 213.3000 115.6000	TV DEG K 302.85 302.18 295.65 290.22 265.38 279.93 274.02 268.07 261.75 255.19 248.00 240.33 232.40 224.22 216.12 208.20 200.81 194.14 189.72 191.37 198.41
STATION Z KM .000 .111 1.000 2.000 3.000 4.000 5.000 7.000 8.000 10.000 11.000 12.000 14.000 15.000 17.000 18.000 19.000 21.000 21.000 21.000	I = 912170 GEO. HT. KM .000 .111 .997 1.995 2.991 3.988 4.984 5.980 6.976 7.971 8.966 9.960 10.955 11.949 12.942 13.936 14.929 15.921 16.914 17.906 18.898	HYDROST/ TAGU, P MB 1010.4000 997.8700 901.9400 803.1700 713.6500 632.6500 434.0300 434.0300 289.3300 250.0500 166.0500 157.8800 133.7800 112.7700 94.5630 79.2830 79.2830 56.4340	ATIC MODEL AC D G/M3 1160.0000 1148.0000 1059.0000 962.0000 870.9000 787.7000 711.4000 577.4000 577.4000 519.3000 418.9000 375.3000 231.5000 231.5000 231.5000 231.5000 172.2000 143.0000 176.5000 95.7200 79.7700 66.9600	TV DEG K 303.57 302.88 295.56 290.85 285.47 279.80 273.97 208.06 261.89 248.19 240.61 232.66 224.53 216.45 208.51 201.22 194.79 191.36 193.13 199.46 205.38	STATION Z KM .000 .111 1.000 2.000 3.000 4.000 5.000 5.000 7.000 8.000 9.000 10.000 11.000 12.000 13.000 14.000 15.000 17.000 17.000 18.000 19.000 19.000	= 912170 GEO. HT. KM .000 .111 .997 1.995 2.991 3.988 4.984 5.980 6.976 7.971 8.966 9.960 10.955 11.949 12.942 13.935 14.929 15.921 16.914 17.906 18.898 19.889	HYDROST/ TAGU/ P M8 1012-0000 999-4300 903-1000 803-9600 714-2400 633-2000 434-4100 380-8600 332-7300 269-5100 256-7500 216-1000 195-2200 133-7100 112-6100 94-3770/ 78-9980 66-3910 56-1220	TIC MODEL AC	TV DEG K 302.85 302.18 295.65 290.22 265.38 279.93 274.02 268.07 261.75 255.19 248.00 244.22 216.12 208.20 200.81 194.14 169.72 191.37 198.41 204.75
STATION Z KM .000 .111 1.000 2.000 3.000 4.000 5.000 7.000 8.000 9.000 10.000 11.000 12.000 13.000 14.000 15.000 16.000 17.000 18.000 19.000 19.000	I = 912170 GEO. HT. KM .000 .111 .997 1.995 2.991 3.988 5.980 6.976 7.971 8.966 9.950 10.955 11.949 12.942 13.936 14.929 15.921 16.914 17.906 18.898 19.889 20.881	HYDROST/ TAGU, P M8 1010.4000 997.8700 901.9400 803.1700 713.6500 559.4900 493.4800 434.0300 380.5600 289.3300 289.3300 250.6500 165.2200 157.8800 133.7800 112.7700 94.5630 79.2830 66.7130 56.4340 47.9310 40.8200	ATIC MODEL AC D G/M3 1160.0000 1148.0000 1148.0000 962.0000 970.9000 771.4000 577.4000 577.4000 577.4000 375.3000 375.3000 335.2000 298.16000 263.8000 201.6000 172.2000 143.0000 95.7200 79.7700	TV DEG K 303.57 302.88 295.56 290.85 295.47 279.80 273.97 208.06 261.83 255.29 248.19 240.61 232.66 224.53 216.45 208.51 201.22 194.79 191.36 193.13 199.46 205.38 209.31	STATION Z KM .000 .111 1.000 2.000 3.000 9.000 9.000 10.000 11.000 12.000 13.000 14.000 15.000 17.000 18.000 17.000 18.000 17.000 18.000 17.000 18.000	1 = 912170 GEO. HT. KM .000 .111 .997 1.995 2.991 3.988 4.984 5.980 6.976 7.971 8.966 9.960 10.955 11.949 12.942 13.936 14.929 15.921 16.914 17.906 18.898 19.889	HYDROST/ TAGU/ P MB 1012-0000 999-4300 903-1000 803-9600 714-2-400 559-9800 434-4100 380-6600 332-7300 269-5100 216-1000 157-8400 112-6100 94-3770 78-9980 66-3910 56-1220 47-6480	TIC MODEL NC 0 G/M3 1164.0000 1152.0000 1064.0000 965.0000 871.9000 711.9000 578.2000 519.9000 419.7000 375.9000 375.9000 298.6000 264.1000 173.3000 173.3000 115.6000 95.4900 79.4200 66.5500	TV DEG K 302.85 302.18 295.65 290.22 265.38 279.93 274.02 268.07 261.75 255.19 248.00 240.33 232.40 224.22 216.12 200.81 194.14 189.72 191.37 198.41 204.75 209.00
STATION Z KM .000 .111 1.000 2.000 3.000 4.000 5.000 7.000 8.000 10.000 11.000 12.000 14.000 15.000 17.000 18.000 19.000 21.000 21.000 21.000	1 = 912170 GEO. HT. KM .000 .111 .937 1.995 2.991 3.988 4.984 5.980 6.976 7.971 8.966 9.960 10.955 11.949 12.942 13.936 14.929 16.914 17.906 18.898 20.881 21.871	HYDROST/ TAGU, P MB 1010.4000 997.8700 901.9400 632.6500 559.4900 434.0300 289.3300 250.0500 165.2200 157.8800 157.8800 157.8900 157.8900 157.8900 157.8900 157.8900 157.8900 157.8900 157.8900 157.8900 157.8900 157.8900	ATIC MODEL AC D G/M3 1160.0000 1148.0000 1059.0000 962.0000 870.9000 787.7000 711.4000 577.4000 577.4000 519.3000 418.9000 375.3000 231.5000 231.5000 231.5000 231.5000 172.2000 143.0000 176.5000 95.7200 79.7700 66.9600	TV DEG K 303.57 302.88 295.56 290.85 265.47 279.80 273.97 268.06 261.89 265.29 248.19 240.61 232.66 224.53 216.45 208.51 201.22 194.79 191.36 193.13 199.46 205.38 209.31 212.31	STATION Z KM .000 .1111 1.000 2.000 3.000 4.000 5.000 5.000 7.000 8.000 9.000 11.000 11.000 12.000 13.030 14.000 15.000 16.000 17.000 18.000 19.000 20.000 21.000 23.000 23.000	1 = 912170 GEO. HT. KM .000 .111 .997 1.995 2.991 3.988 4.984 5.980 6.976 7.971 8.966 9.960 10.955 11.949 12.942 13.936 14.929 15.921 16.914 17.906 18.898 19.889 20.881 21.871 22.862	HYDROST/ TAGU/ P M8 1012-0000 999-4300 903-1000 803-9600 714-2400 633-2000 493-9200 434-4100 380-8600 332-7300 289-5100 216-1000 185-2200 157-8400 112-6100 94-3770 78-9980 66-3910 56-1220 47-6480 40-5760 34-6410	TIC MODEL AC O G/M3 1164.0000 1064.0000 965.0000 871.9000 791.9000 579.2000 519.9000 467.4000 419.7000 375.9000 375.9000 288.6000 264.1000 232.0000 232.0000 232.0000 232.0000 232.0000 232.0000 232.0000 232.0000 232.0000 232.0000 232.0000 232.0000 232.0000 232.0000 232.0000 232.0000 232.0000 232.0000 232.0000 232.0000 232.0000 232.0000 232.0000 232.0000 232.0000 232.0000 232.0000 232.0000 232.0000 232.0000 232.0000 232.0000 232.0000 232.0000 232.0000 232.0000 232.0000 232.0000 232.0000 232.0000 232.0000 232.0000 232.0000 232.0000 232.0000 232.0000 232.0000 232.0000 232.0000 232.0000 232.0000 232.0000 232.0000 232.0000 232.0000 232.0000 232.0000 232.0000 232.0000 232.0000 232.0000 232.0000 232.0000 232.0000 232.0000 232.0000 232.0000 232.0000 232.0000 232.0000 232.0000 232.0000 232.0000 232.0000 232.0000 232.0000 232.0000 232.0000 232.0000 232.0000 232.0000 232.0000 232.0000 232.0000 232.0000 232.0000 232.0000 232.0000 232.0000 232.0000 232.0000 232.0000 232.0000 232.0000 232.0000 232.0000 232.0000 232.0000 232.0000 232.0000 232.0000 232.0000 232.0000 232.0000 232.0000 232.00000 232.0000	TV DEG K 302.85 302.18 295.65 290.22 265.38 279.93 274.02 268.07 261.75 255.19 248.00 240.33 232.40 224.22 216.12 208.20 200.81 194.14 169.72 191.37 198.41 204.75 209.00 212.49 215.59
STATION Z KM .000 .111 1.000 2.000 3.000 4.000 5.000 7.000 8.000 9.000 10.000 11.000 12.000 13.000 14.000 15.000 16.000 17.000 18.000 19.000 20.000 21.000 22.000 23.000	1 = 912170 GEO. HT. KM .000 .111 .937 1.995 2.991 3.988 4.584 5.980 6.976 7.971 8.966 9.950 10.955 11.949 12.942 13.936 14.929 15.914 17.906 18.898 19.889 20.881 21.871 22.862	HYDROST/ TAGU, P MB 1010.4000 997.8700 901.9400 603.1700 632.6500 559.4900 434.0300 289.3300 250.0500 260.0500 165.2200 165.2200 179.2830 66.7130 56.4340 47.9310 40.8200 34.68430 29.8040	ATIC MODEL AC D G/M3 1160.0000 1148.0000 1148.0000 870.9000 962.0000 870.9000 787.7000 711.4000 641.3000 577.4000 418.9000 375.3000 418.9000 335.2000 298.1600 263.8000 231.5000 201.6000 172.2000 143.0000 116.5000 95.7200 79.7700 66.9600 55.4000 47.6500	TV DEG K 303.57 302.88 295.56 290.85 285.47 279.80 273.97 268.06 261.83 248.19 240.61 232.66 224.53 216.45 208.51 201.22 194.79 191.36 193.13 199.46 205.38 209.31 212.31 215.21 217.87	STATION Z KM .000 .111 1.000 2.000 3.000 4.000 5.000 7.000 8.000 10.000 11.000 12.000 13.000 14.000 15.000 15.000 16.000 17.000 18.000 19.000 20.000 21.000 22.000 23.000 24.000	= 912170 GEO. HT. KM .000 .111 .997 1.995 2.991 3.988 4.984 5.980 6.976 7.971 8.966 9.960 10.955 11.949 12.942 13.935 14.929 15.921 16.914 17.906 18.898 19.889 20.881 21.871 22.862 23.652	HYDROST/ TAGU/ P M8 1012-0000 999-4300 903-1000 803-9600 714-2400 633-2000 434-4100 380-8600 380-8600 381-4100 266-7500 216-1000 112-6100 94-3770 78-9980 66-3910 56-1220 47-6480 40-5760 29-6370	TIC MODEL AC O G/M3 1164.0000 1152.0000 1064.0000 965.0000 871.9000 788.0000 711.9000 519.9000 375.9000 375.9000 375.7000 298.6000 298.6000 298.6000 173.3000 173.3000 175.4000 175.4000 175.4000 175.4000 175.4000 175.4000 175.4000 175.4000 175.4000 175.4000 175.4000 175.4000 175.4000 175.4000 175.4000 175.4000 175.4000 175.4000 175.4000 175.4000 175.4000	TV DEG K 302.85 302.85 302.85 302.85 295.65 290.22 265.38 279.93 274.02 268.07 261.75 255.19 248.00 241.22 216.12 208.20 200.81 194.14 189.72 191.37 198.41 204.75 209.00 212.39 215.59 218.06
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STATION Z KM .000 .111 1.000 2.000 3.000 4.000 5.000 7.000 8.000 9.000 10.000 11.000 12.000 14.000 15.000 15.000 16.000 17.000 18.000 26.000 23.000 24.000 25.000 26.000	1 = 912170 GEO. HT. KM .000 .111 .997 1.995 2.991 3.988 4.584 5.980 6.976 7.971 8.966 9.950 10.955 11.949 12.942 13.936 14.929 15.921 16.914 17.906 18.898 20.881 21.871 22.862 24.842 25.832	HYDROST/ TAGU, P MB 1010.4000 997.8700 901.9400 803.1700 713.6500 559.4930 493.4800 434.0330 389.5600 269.3300 269.3300 270.6500 289.3300 289.3300 289.3300 289.3300 289.3300 289.3300 289.3300 289.3300 289.3300 289.3300 289.3300 289.3300 289.3300 289.3300 289.3300 289.3300 289.3300 289.3300 289.3300 289.3300 289.3300 289.3300 289.3300 289.3300 289.3300 289.3300 289.3300 289.3300 289.3300 289.3300 289.3300 289.3300 289.3300 289.3300 289.3300 289.3300 289.3300 289.3300 289.3300 289.3300 289.3300 289.3300 289.3300 289.3300 289.3300 289.3300 289.3300 289.3300 289.3300 289.3300 289.3300 289.3300 289.3300 289.3300 289.3300 289.3300 289.3300 289.3300 289.3300 289.3300 289.3300 289.3300 289.3300 289.3300 289.3300 289.3300 289.3300 289.3300 289.3300 289.3300 289.3300 289.3300 289.3300 289.3300 289.3300 289.3300 289.3300 289.3300 289.3300 289.3300 289.3300 289.3300 289.3300 289.3300 289.3300 289.3300 289.3300 289.3300 289.3300 289.3300 289.3300 289.3300 289.3300 289.3300 289.3300 289.3300 289.3300 289.3300 289.3300 289.3300 289.3300 289.3300 289.3300 289.3300 289.3300 289.3300 289.3300 289.3300 289.3300 289.3300 289.3300 289.3300 289.3300 289.3300 289.3300 289.3300 289.3300 289.3300 289.3300 289.3300 289.3300 289.3300 289.3300 289.3300 289.3300 289.3300 289.3300 289.3300 289.3300 289.3300 289.3300 289.3300 289.3300 289.3300 289.3300 289.3300 289.3300 289.3300 289.3300 289.3300 289.3300 289.3300 289.3300 289.3300 289.3300 289.3300 289.3300 289.3300 289.3300 289.3300 289.3300 289.3300 289.3300 289.3300 289.3300 289.3300 289.3300 289.3300 289.3300 289.3300 289.3300 289.3300 289.3300 289.3300 289.3300 289.3300 289.3300 289.3300 289.3300 289.3300 289.3300 289.3300 289.3300 289.3300 289.3300 289.3300 289.3300 289.3300 289.3300 289.3300 289.3300 289.3300 289.3300 289.3300 289.3300 289.3300 289.3300 289.3300 289.3300 289.3300 289.3300 289.3300 289.3300 289.3300 289.3300 289.3300 289.3300 289.3300 289.3300 289.3300 289.3300 289.3300 289.3300 289.3300 289.3300 289.3300 289.3300 289.3300 289.3300 289.3300 289.3300 289.3300 289.3300	ATIC MODEL AC D G/M3 1160.0000 1148.0000 1148.0000 962.0000 970.9000 787.7000 711.4000 641.3000 577.4000 519.3000 375.3000 335.2000 298.16000 263.8000 263.8000 261.6000 172.2000 143.0000 172.2000 143.0000 95.7200 79.7700 66.9600 56.4000 47.6500 40.3500	TV DEG K 303.57 302.88 295.56 290.85 295.97 273.97 268.06 261.83 255.29 248.19 240.61 232.66 224.53 216.45 208.51 201.22 194.79 191.36 193.13 199.46 205.38 209.31 215.21 217.87 220.49 223.08	STATION Z KM .000 .111 1.000 2.000 3.000 9.000 9.000 10.000 11.000 12.000 13.000 15.000 15.000 17.000 18.000 17.000 18.000 17.000 18.000 19.000 20.000 21.000 23.000 24.000 25.000 26.000	1 = 912170 GEO. HT. KM .000 .111 .997 1.995 2.991 3.988 4.984 5.980 6.976 7.971 8.966 9.960 10.955 11.949 12.942 13.936 14.929 15.921 16.914 17.906 18.898 19.889 20.881 21.871 22.862 24.882 25.832	HYDROST/ TAGU/ P MB 1012-0000 999-4300 903-1000 803-9600 714-2400 633-2000 559-9800 434-4100 380-6600 216-1000 157-8400 157-8400 112-6100 94-3770 78-9980 66-3770 78-980 66-1220 47-6480 40-5760 34-6410 29-6370 25-3990 21-8000	TIC MODEL C	TV DEG K 302.85 302.18 295.65 290.22 265.38 279.93 274.02 268.07 261.75 255.19 248.00 240.33 232.40 224.22 216.12 200.81 194.14 189.72 191.37 198.41 204.75 209.00 212.29 215.59 215.59 218.06 222.30
STATION Z KM .000 .111 1.000 2.000 3.000 4.000 5.000 7.000 8.000 10.000 11.000 12.000 13.000 14.000 15.000 17.000 18.000 19.000 21.000 21.000 21.000 21.000 22.000 23.000 24.000 25.000 27.000	1 = 912170 GEO. HT. KM .000 .111 .937 1.995 2.991 3.988 4.984 5.980 6.976 7.971 8.966 9.960 10.955 11.949 12.942 13.936 14.929 15.921 16.914 17.906 18.898 20.881 21.871 22.862 25.832 26.821	HYDROST/ TAGU, P M8 1010.4000 997.8700 901.9400 803.1700 713.6500 559.4900 493.4800 434.0300 380.5600 289.3300 250.6500 16.0500 16.0500 112.7700 94.5630 79.2830 66.7130 56.4340 47.9310 40.8200 34.8430 29.8040 25.5420 18.9610	ATIC MODEL AC D G/M3 1160.0000 1148.0000 1059.0000 962.0000 070.9000 787.7000 711.4000 577.4000 519.3000 418.9000 375.3000 231.5000 231.5000 231.5000 231.5000 231.5000 231.5000 231.5000 231.5000 231.5000 375.7200 79.7700 66.9600 56.4000 47.6500 40.3500 384.2500 29.1800	TV DEG K 303.57 302.88 295.56 290.85 265.47 279.80 273.97 268.06 261.89 265.29 248.19 240.61 232.66 224.53 216.45 208.51 201.22 194.79 191.36 193.13 199.46 205.38 209.31 215.21 217.87 220.49 223.08 225.18	STATION Z KM .000 .1111 1.000 2.000 3.000 9.000 9.000 11.000 12.000 13.000 14.000 15.000 17.000 18.000 19.000 20.000 21.000 21.000 22.000 23.000 24.000 25.000 26.000 27.000	1 = 912170 GEO. HT. KM .000 .111 .997 1.995 2.991 3.988 4.984 5.980 6.976 7.971 8.966 9.960 10.955 11.949 12.942 13.936 14.929 15.921 16.914 17.906 18.898 19.889 20.881 21.871 22.862 23.652 24.842 25.832 26.821	HYDROST/ TAGU/ P MB 1012-0000 999,4300 903.1000 803.9600 714.2400 559,9800 493.9200 434.4100 380.8600 332.7300 269.5100 266.7500 216.1000 185.2200 133.7100 112.6100 94.3770 78.9980 66.3910 56.1220 47.6480 40.5760 34.6410 29.6370 21.8000 18.7390	TIC MODEL C	TV DEG K 302.85 302.18 295.65 290.22 265.38 279.93 274.02 268.07 261.75 255.19 248.00 240.33 232.40 224.22 216.12 208.20 200.81 194.14 189.72 191.37 198.41 204.75 209.00 212.49 215.59 218.90 222.30 224.47
STATION Z KM .000 .111 1.000 2.000 3.000 4.000 5.000 6.000 7.000 8.000 10.000 11.000 12.000 13.000 14.000 15.000 16.000 17.000 20.000 21.000 21.000 22.000 23.000 24.000 25.000 26.000 27.000 28.000	I = 912170 GEO. HT. KM .000 .111 .997 1.995 2.991 3.988 4.984 5.980 6.976 7.971 8.966 9.960 10.955 11.949 12.942 13.936 14.929 15.921 16.914 17.906 18.898 19.889 20.881 21.871 22.862 23.652 26.821 27.810	HYOROSTA TAGU, P MB 1010.4000 997.8700 901.9400 632.6500 559.4900 434.0300 289.3300 250.0500 165.2200 157.6800 157.6800 157.6800 157.6800 157.6800 157.6800 157.6800 157.6800 157.6800 157.6800 157.6800 157.6800 157.6800 157.6800 157.6800 157.6800 157.6800 157.6800 157.6800 157.6800 157.6800 157.6800 157.6800 157.6800 157.6800 157.6800 157.6800 157.6800 157.6800 157.6800 157.6800 157.6800 157.6800 157.6800 157.6800 157.6800 157.6800 157.6800 157.6800 157.6800 157.6800 157.6800 157.6800 157.6800 157.6800 157.6800 157.6800 157.6800 157.6800 157.6800 157.6800 157.6800 157.6800 157.6800 157.6800 157.6800 157.6800 157.6800 157.6800 157.6800 157.6800 157.6800 157.6800 157.6800 157.6800 157.6800 157.6800 157.6800 157.6800 157.6800 157.6800 157.6800 157.6800 157.6800 157.6800 157.6800 157.6800 157.6800 157.6800 157.6800 157.6800 157.6800 157.6800 157.6800 157.6800 157.6800 157.6800 157.6800 157.6800 157.6800 157.6800 157.6800 157.6800 157.6800 157.6800 157.6800 157.6800 157.6800 157.6800 157.6800 157.6800 157.6800 157.6800 157.6800 157.6800 157.6800 157.6800 157.6800 157.6800 157.6800 157.6800 157.6800 157.6800 157.6800 157.6800 157.6800 157.6800 157.6800 157.6800 157.6800 157.6800 157.6800 157.6800 157.6800 157.6800 157.6800 157.6800 157.6800 157.6800 157.6800 157.6800 157.6800 157.6800 157.6800 157.6800 157.6800 157.6800 157.6800 157.6800 157.6800 157.6800 157.6800 157.6800 157.6800 157.6800 157.6800 157.6800 157.6800 157.6800 157.6800 157.6800 157.6800 157.6800 157.6800 157.6800 157.6800 157.6800 157.6800 157.6800 157.6800 157.6800 157.6800 157.6800 157.6800 157.6800 157.6800 157.6800 157.6800 157.6800 157.6800 157.6800 157.6800 157.6800 157.6800 157.6800 157.6800 157.6800 157.6800 157.6800 157.6800 157.6800 157.6800 157.6800 157.6800 157.6800 157.6800 157.6800 157.6800 157.6800 157.6800 157.6800 157.6800 157.6800 157.6800 157.6800 157.6800 157.6800 157.6800 157.6800 157.6800 157.6800 157.6800 157.6800 157.6800 157.6800 157.6800 157.6800 157.6800 157.6800 157.6800 157.6800 157.6800 157.6800 157.6800 157.6800 157.6800	ATIC MODEL AC D G/M3 1160.0000 1148.0000 1059.0000 962.0000 970.9000 787.7000 711.4000 641.3000 577.4000 375.3000 418.9000 375.3000 418.9000 231.6000 263.8000 231.6000 263.8000 271.2000 116.5000 95.7200 116.5000 95.7200 116.5000 95.7200 143.0000 176.5000 47.6500 40.3500 34.8500 329.1800 24.8920	TV DEG K 303.57 302.88 295.56 290.85 285.47 279.80 273.97 268.06 261.89 255.29 248.19 240.61 232.66 224.53 216.45 208.51 201.22 194.79 191.36 193.13 199.46 205.38 209.31 215.21 217.87 220.49 223.08 225.16 227.35	STATION Z KM .000 .1111 1.000 2.000 3.000 9.000 5.000 7.000 8.000 9.000 11.000 12.000 13.030 14.000 15.000 15.000 16.000 17.000 18.000 20.000 21.000 21.000 22.000 23.000 24.000 25.000 26.000 27.000 28.000	1 = 912170 GEO. HT. KM .000 .111 .997 1.995 2.991 3.988 4.984 5.980 6.976 7.971 8.966 9.960 10.955 11.949 12.942 13.936 14.929 15.941 17.906 18.898 19.889 20.881 21.871 22.862 23.652 24.842 25.832 26.821 27.810	HYDROST/ TAGU/ P MB 1012-0000 999-4300 903-1000 803-9600 714-2400 633-2000 434-4100 380-8600 332-7300 289-5100 216-1000 185-2200 112-6100 94-3770 78-9980 66-3910 56-1220 47-6480 40-5760 34-6410 29-6370 25-3990 18-7390 16-1310	ATIC MODEL AC O G/M3 1164.0000 1064.0000 965.0000 871.9000 798.0000 578.2000 519.9000 467.4000 419.7000 232.0000 232.0000 232.0000 232.0000 232.0000 232.0000 232.0000 232.0000 232.0000 232.0000 232.0000 232.0000 232.0000 232.0000 232.0000 232.0000 232.0000 232.0000 232.0000 232.0000 232.0000 232.0000 232.0000 232.0000 232.0000 232.0000 232.0000 232.0000 232.0000 232.0000 232.0000 232.0000 232.0000 232.0000 232.0000 232.0000 232.0000 232.0000 232.0000 232.0000 232.0000 232.0000 232.0000 232.0000	TV DEG K 302.85 302.18 295.65 290.22 265.38 279.93 274.02 268.07 261.75 255.19 248.00 240.33 232.40 224.22 216.12 208.20 200.81 194.14 169.72 191.37 198.41 204.75 209.20 215.59 218.06 220.26 224.47 226.39
STATION Z KM .000 .111 1.000 2.000 3.000 4.000 5.000 7.000 8.000 10.000 11.000 12.000 13.000 14.000 15.000 17.000 18.000 19.000 21.000 21.000 21.000 21.000 22.000 23.000 24.000 25.000 27.000	1 = 912170 GEO. HT. KM .000 .111 .937 1.995 2.991 3.988 4.984 5.980 6.976 7.971 8.966 9.960 10.955 11.949 12.942 13.936 14.929 15.921 16.914 17.906 18.898 20.881 21.871 22.862 25.832 26.821	HYDROST/ TAGU, P MB 1010.4000 997.8700 901.9400 803.1700 632.6500 559.4900 493.4600 494.0300 289.3300 250.0500 166.0500 165.2200 157.8800 112.7700 94.5630 79.2830 66.7130 56.4340 47.9310 40.8200 34.8930 29.8040 25.5420 21.9310 18.2610 18.2610 18.2610 18.2610 18.2610 18.2610 18.2610 18.2610 18.2610 18.2610 18.2610 18.2610 18.2610 18.2610 18.2610 18.2610 18.2610 18.2610	ATIC MODEL AC D G/M3 1160.0000 1148.0000 1059.0000 962.0000 970.9000 787.7000 711.4000 641.3000 577.4000 375.3000 418.9000 375.3000 418.9000 231.6000 263.8000 231.6000 263.8000 271.2000 116.5000 95.7200 116.5000 95.7200 116.5000 95.7200 143.0000 176.5000 47.6500 40.3500 34.8500 329.1800 24.8920	TV DEG K 303.57 302.88 295.56 290.85 265.47 279.80 273.97 268.06 261.89 265.29 248.19 240.61 232.66 224.53 216.45 208.51 201.22 194.79 191.36 193.13 199.46 205.38 209.31 215.21 217.87 220.49 223.08 225.18	STATION Z KM .000 .1111 1.000 2.000 3.000 9.000 9.000 11.000 12.000 13.000 14.000 15.000 17.000 18.000 19.000 20.000 21.000 21.000 22.000 23.000 24.000 25.000 26.000 27.000	1 = 912170 GEO. HT. KM .000 .111 .997 1.995 2.991 3.988 4.984 5.980 6.976 7.971 8.966 9.960 10.955 11.949 12.942 13.936 14.929 15.921 16.914 17.906 18.898 19.889 20.881 21.871 22.862 23.652 24.842 25.832 26.821	HYDROST/ TAGU/ P MB 1012-0000 999,4300 903.1000 803.9600 714.2400 559,9800 493.9200 434.4100 380.8600 332.7300 269.5100 266.7500 216.1000 185.2200 133.7100 112.6100 94.3770 78.9980 66.3910 56.1220 47.6480 40.5760 34.6410 29.6370 21.8000 18.7390	TIC MODEL C	TV DEG K 302.85 302.18 295.65 290.22 265.38 279.93 274.02 268.07 261.75 265.19 248.00 240.33 232.40 224.22 216.12 208.20 200.81 194.14 189.72 191.37 198.41 204.75 209.00 212.39 215.59 218.36 220.26 224.47

ANNUAL

TABLE STATION		TAGU		ATMOSPHERE,
Z	GEO. HT.	P	D	TV
KM	KM	MB	G/M3	DEG K
.000	.000	1011.5000	1163.0000	303.05
-111	.111	998.9600	1151.0000	302.34
1.000	. 99 7	902.7400	1063.0000	295.68
5.000	1.995	803.6700	964.8000	290.19
3.000	2.991	713.9400	872.2000	285.14
4.000	3.988	632.8400	788.7000	279.51
5.000	4.984	559.5800	712.3000	273.69
6.000	5.980	493.5000	641.8000	267.87
7.000	6.976	434.0100	577.8000	261.67
8.000	7.971	380.5000	519.6000	255.10
9.000	8.906	332.4000	467.0000	247.95
10.000	9.950	289.2100	419.3000	240.20
11.000	10.955	250.4 90 0	375.7000	232. <i>2</i> 9
15.000	11.949	215.8500	3 35.6000	224.04
13.000	12.942	184.9900	298.5000	215. <i>8</i> 5
14.000	13.935	157,6000	264 1000	207.93
15.000	14.929	133.4800	231,7000	200.67
16.000	15.921	112.4500	201.0630	194,93
17.000	16.914	94.4240	170 2000	193.23
18.000	17.906	79.3210	141.2000	195.70
19.000	18.898	66 6700	115.8000	201.17
20.000	19.889	56.6230	95.7000	206.13
21.000	188.05	48.1150	79.9000	209.80
22.000	21.871	40.9920	67.1200	212.77
23.000	22.662	34.9990	56.6000	215.43
24.000	23.652	29.9390	47.8700	217.88
25.000	24.842	25 6560	40.580 0	2 20. 25
26.000	25.832	22.0230	34.4800	22.52
27.000	158.85	18.9330	29.3700	224.60
28.000	27.810	16.3000	25.0500	226.66
23.000	28.799	14.0510	21.4200	228.50
30.000	29.787	12.1277	18.3600	230.08

ANNUAL

	IV. 13 = 912170	HYDROST.	ATIC MODEL	ATMOSPHERE,
Z	GEO. HT.	P	0	TV
KM	KM	MB	G/M3	DEG K
.000	.008	1011.5000	1163.0000	303.05
.111	.111	998.9600	1151.0000	302.34
1.000	.997	902.7400	1063.0000	295,88
2.000	1.995	803.6700	964.8000	290.19
3.000	2.991	713.9400	872.2000	285.14
4.000	3.988	632.8400	788.7000	279.51
5.000	4.984	559.5800	712.3000	273.69
6.000	5.980	493.5000	641.8000	267,87
7.000	6.976	434.0100	577.8000	261,67
8.000	7.971	380.5000	519.6000	255.10
9.000	8.936	332.4000	467.0000	247.95
10.000	9.950	289.2100	419.3000	240.20
11.000	10.955	250.4900	375.7000	232.29
12.000	11.949	215.8500	335.6000	224.04
13.000	12.942	184.9900	298.5000	215.85
14.000	13.935	157.6000	264,1000	207.56
15.000	14.929	133.4800	231,7000	200.67
16.000	15.921	112.4500	0530,105	194.93
17.000	16.914	94.4240	170.2000	193.23
18.000	17.906	79.3210	141.2000	195.70
19.000	18.898	66.8700	115,8000	201.17
20.000	19.689	56.6230	95.7000	206.13
21.000	20.881	48.1150	79.9000	209.80
22.000	21.871	40.9920	67.1200	212.77
23.000	22.862	34.9990	56.6000	215.43
24.000	23.052	29.9390	47.8700	217,89
25.000	24.842	25 6560	40.5800	240.25
<i>2</i> 6.000	25.832	22.0230	34.4800	222.52
27.000	26.821	18.9330	29.3700	224.60
28.000	27.810	16.3000	25.0500	226.66
23.000	28.799	14.0510	21.4200	228.50
30.000	29 .787	12.1277	18.3600	230.08

APPENDIX A

EXAMPLES OF WIND STATISTICS FOR EGLIN AFB, FLORIDA

Appendix A gives some examples of further computations and graphical displays of wind statistics that can be derived from the statistical parameters presented in table I. These illustrations should aid the user of the RRA to understand the functional relationships of the probability wind models and, thus, to develop an appreciation of the powerful properties of the bivariate normal probability distribution function (PDF).

All illustrations for this appendix are derived from the five wind component statistical parameters from table I.1 for January and table I.7 for July for nine selected altitudes. These selected altitudes are 2, 4, 8, 12, 16, 20, 24, 28, and 30 km.

1. Windspeed (Tables A-1 and A-2)

The five wind components from table I are used as inputs to the generalized Rayleigh PDF, equation (29), and numerically integrated as indicated by equation (30) to obtain the PDF for windspeed. The PDF is then interpolated to obtain the percentile values for windspeed, as shown in tables A-1 and A-2.

2. Frequency of Wind Direction (Figures A-1 through A-18)

The derived frequencies for wind direction shown in figures A-1 through A-18 were obtained using the five wind component parameters from tables I.1 and I.7 as input values in equation (35). The limits of integration (performed numerically) are over the 22.5-degree interval for each of the 16 compass points. These graphs give the percentage frequency that the wind will blow from the direction intervals.

3. Mean Wind Components and 80th Interpercentile Range of Wind Components (Figures A-19 through A-36)

The wind component means with respect to any orthogonal axes are obtained by using the zonal and meridional mean wind components in equations (44) and (45). These component means form the circle shown in figures A-19 through A-36. Further, the zonal and meridional wind component variances and correlation coefficients are used in equations (46) and (47) to obtain the variances with respect to any orthogonal axes. These rotated component variances and the rotated component means are used in equation (8) to obtain the 80th interpercentile range of wind components and are then illustrated in figures A-19 through A-36.

4. Probability Ellipses (Figures A-37 through A-54)

Using the five wind component parameters from tables I.1 and I.7 and p = 0.50, p = 0.95, and p = 0.99 as input values to equation (13), the wind

probability ellipses shown in figures A-37 through A-54 were obtained by computer graphics. The statistical inferences are, for example, that 50 percent of the wind vectors lie within the smaller ellipse and 99 percent of the wind vectors lie within the outer ellipse. These probability ellipses are illustrated using the standard meteorological coordinate system explained in section I.B.1.

5. Conditional Windspeed Given the Wind Direction (Figures A-55 through A-72)

The five wind component parameters from table I.1 and table I.7 are used to evaluate the conditional PDF, equation (41). Interpolations of the conditional function are made to obtain the 5th, 15th, 50th (median), 85th, 95th, and 99th conditional percentile values of windspeed given the wind directions are as shown in figures A-55 through A-72. The conditional mean windspeed, given the wind direction, is obtained from equation (40). The conditional mode (most probable) windspeed, given the wind direction, is obtained from equation (38). The conditional mean windspeed and the conditional windspeed modal value, given the wind direction, are also shown in these figures. For some figures, the conditional windspeed values are invalid for the given wind direction near 270° (from the west). This is caused by the lack of computational precision in evaluating equations (40) and (41) when the arguments for the Gaussian probability distribution have large negative values, i.e., when the coefficients (b/a) become less than -4 in these equations.

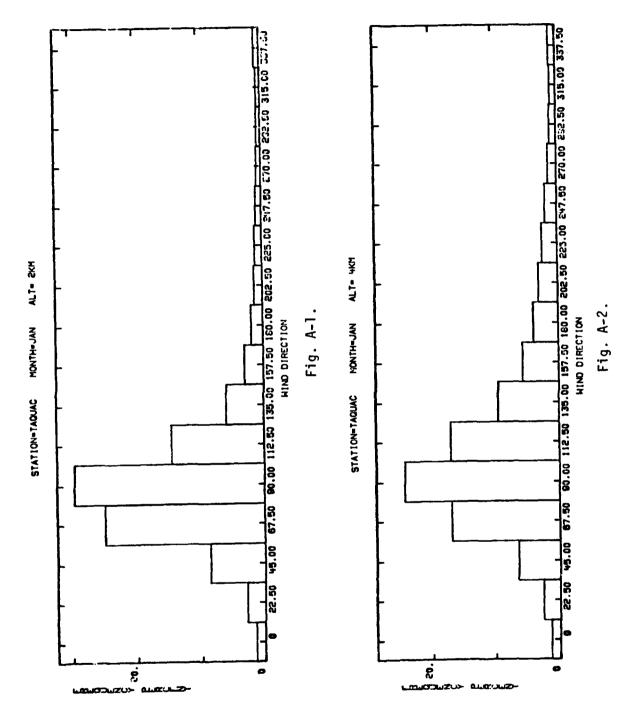
This appendix contains only a few of the many options in presenting wind statistics illustrations.

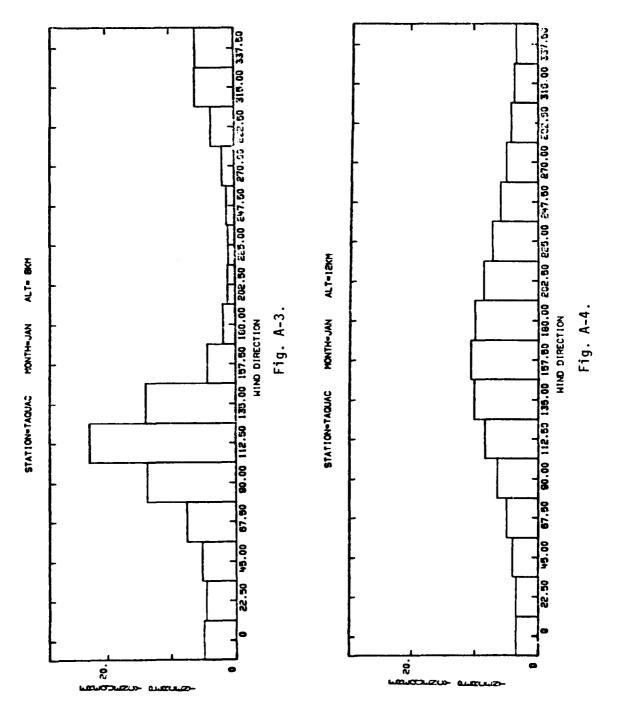
TABLE A-1. DERIVED (RAYLEIGH) PERCENTILES FOR WINDSPEED, JANUARY, TAQUAC, GUAM ISLAND

	Altitude (km)									
р	2 R	4 R	8 R	12 R	16 R	20 R	24 R	28 R	30 R	
o/ ,	M/S	M/S	M/S	M/S	M/S	M/S	M/S	M/S	M/S	
1.0	1.00	.75	.43	. 66	1.39	.30	. 56	1.00	1.06	
2.5	1.51	1.30	1.03	1.22	2.27	.75	1.14	1.52	1.67	
5.0	2.23	1.94	1.42	1.79	3.22	1.19	1.65	2.25	2.44	
10.0	3.22	2.79	2.13	2.59	4.53	1.76	2.46	3.30	3.59	
15.0	4.03	3.48	2.66	3.25	5.54	2.25	3.15	4.18	4.55	
20.0	4.72	4.11	3.16	3.81	6.40	2.68	3.78	4.98	5.44	
30.0	5.99	5.23	4.06	4.83	7.90	3.53	5.04	6.54	7.16	
40.0	7.17	6.31	4.95	5.78	9,24	4.40	6.40	8.17	8.98	
50.0	8.35	7.40	5.89	6.74	10.57	5.34	7.91	9.99	11.01	
60.0	9.58	8.57	6.94	7.74	11.95	6.42	9.65	12.10	13.38	
70 .0	10.92	9.88	8.19	8.87	13.50	7.69	11.71	14.63	16.20	
80.0	12.55	11.50	9.79	10.25	15.38	9.29	14.30	17.87	19.82	
85.0	13.55	12.52	10.84	11.12	16.58	10.31	15.95	19.97	22.17	
90.0	14.82	13.82	12.20	12.25	18.11	11.62	18.11	22.74	25.23	
95.0	16.72	15.78	14.30	13.94	20.47	13.60	21.40	26.97	29.80	
97.5	18.39	17.52	16.15	15.48	22.56	15.34	24.30	30.79	34.19	
99.0	20.32	19.54	18.36	17.26	24.99	17.38	27.71	35.32	39.23	

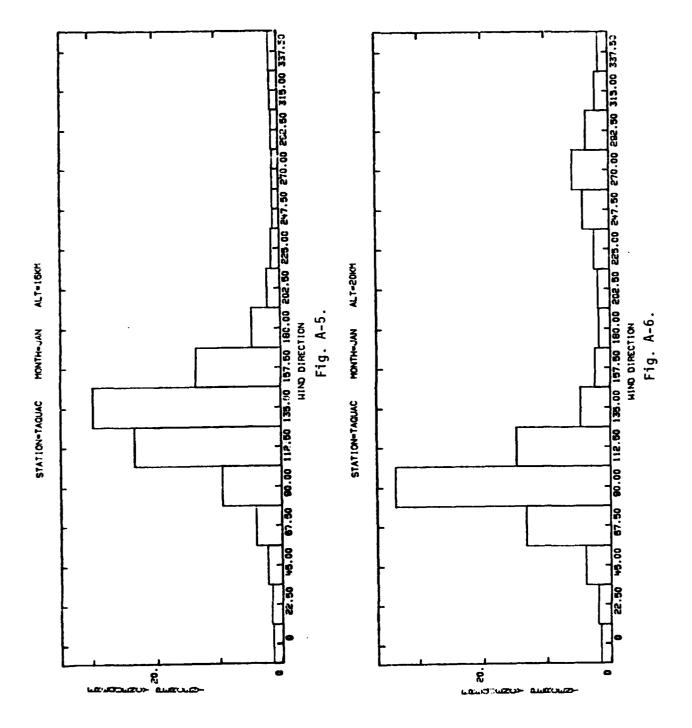
TABLE A-2. DERIVED (RAYLEIGH) PERCENTILES FOR WINDSPEED, JULY, TAQUAC, GUAM ISLAND

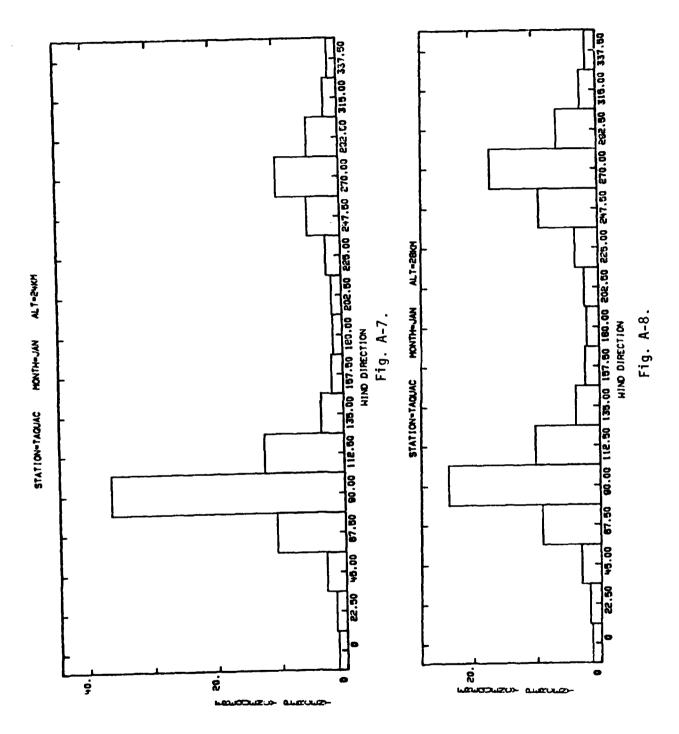
	Altitude (km)									
	2	4	8	12	16	20	24	28	30	
P	R	R	R	R	R	R	R	R	R	
%	M/S	M/S	M/S	M/S	M/S	M/S	M/S	M/S	M/S	
1.0	.46	.51	.44	1.10	1.39	8.11	6.06	11.28	13.52	
2.5	1.05	1.09	1.04	1.75	2.29	9.47	8.49	13.92	16.17	
5.0	1.45	1.54	1.42	2.52	3.26	10.70	10.67	16.18	18.42	
10.0	2.17	2.28	2.13	3.65	4.62	12.11	13.22	18.81	21.06	
15.0	2.70	2.86	2.64	4.54	5.67	13.06	14.96	20.58	22.83	
20.0	3.19	3.36	3.12	5.33	6.57	13.80	16.33	22.01	24.24	
30.0	4.06	4.28	3.96	6.75	8.16	15.04	18.57	24.31	26.53	
40.0	4.88	5.15	4.76	8.09	9.60	16.08	20.50	26.29	2 8.50	
50.0	5.72	6.02	5.57	9.43	11.02	17.06	22.30	28.14	30.34	
60.0	6.62	6.96	6.43	10.84	12.49	18.03	24.10	29.98	32.18	
70.0	7.64	8.02	7.40	12.45	14.10	19.08	26.03	31.96	34.15	
80.0	8.89	9.36	8.60	14.41	16.04	20.33	28.29	34.28	36.46	
85.0	9.71	10.20	9.36	15.66	17.27	21.06	29.68	35.71	37.87	
90.0	10.75	11.29	10.35	17.27	18.80	22.00	31.43	37.51	39.66	
95.0	12.34	12.93	11.84	19.74	21.10	23.46	34.00	40.15	42.30	
97.5	13.74	14.43	13.17	21.94	23.12	24.68	36.27	42.47	44.60	
99.0	15.40	16.12	14.77	24.62	25.51	26.06	38.85	45.13	47.26	



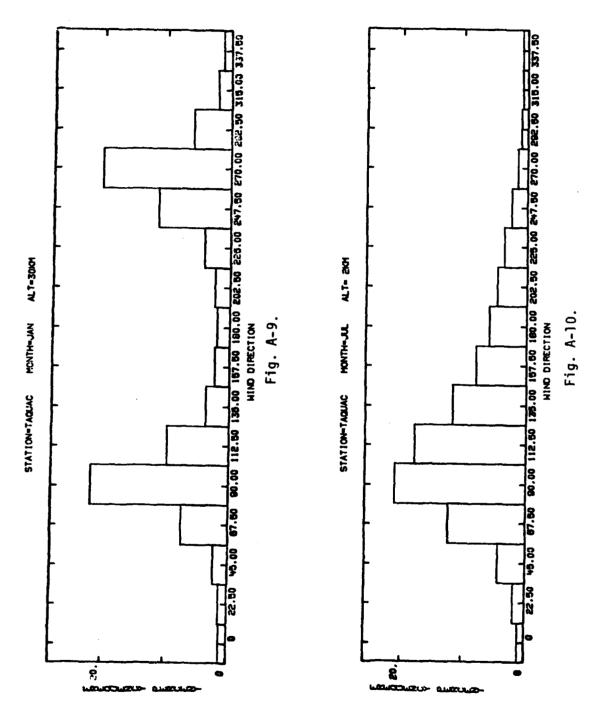


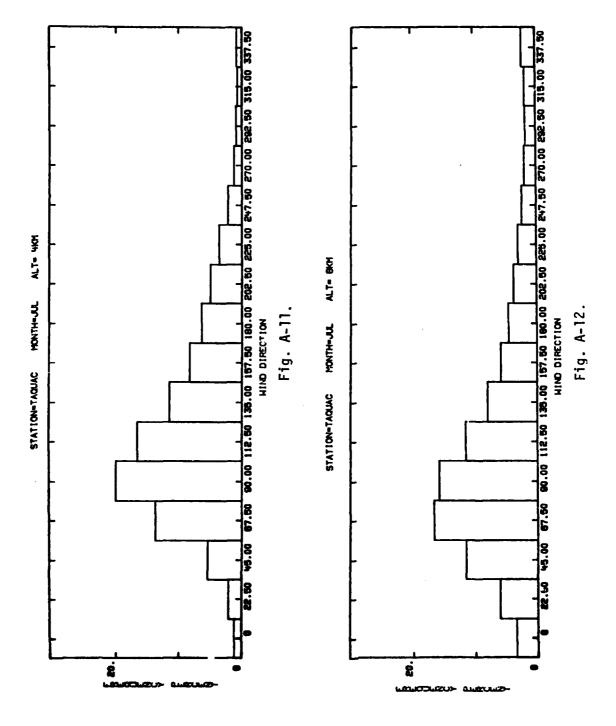
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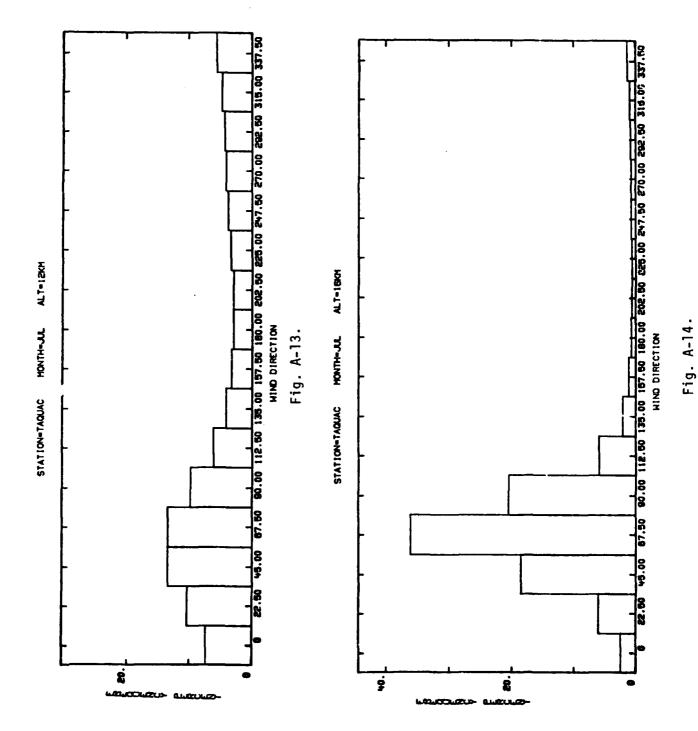




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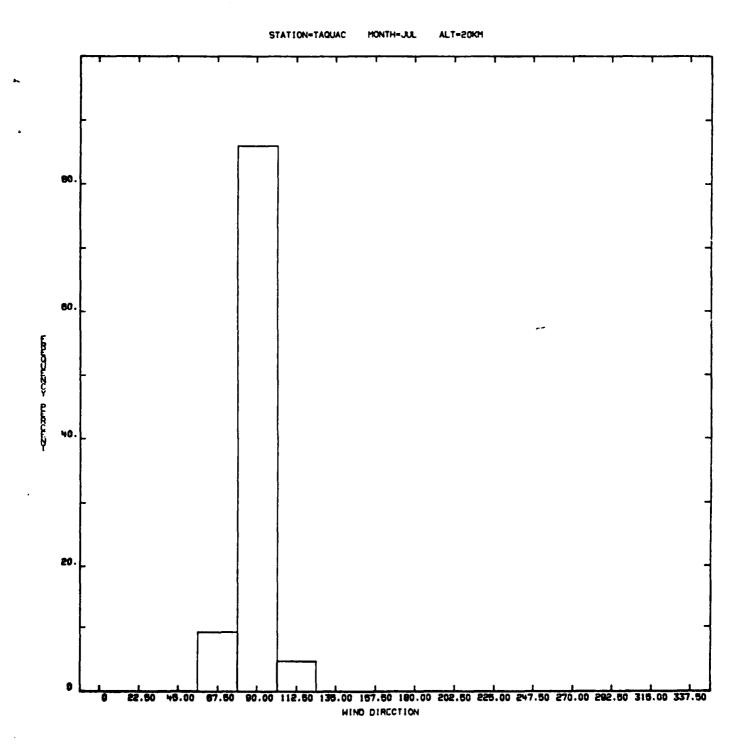


Fig. A-15.

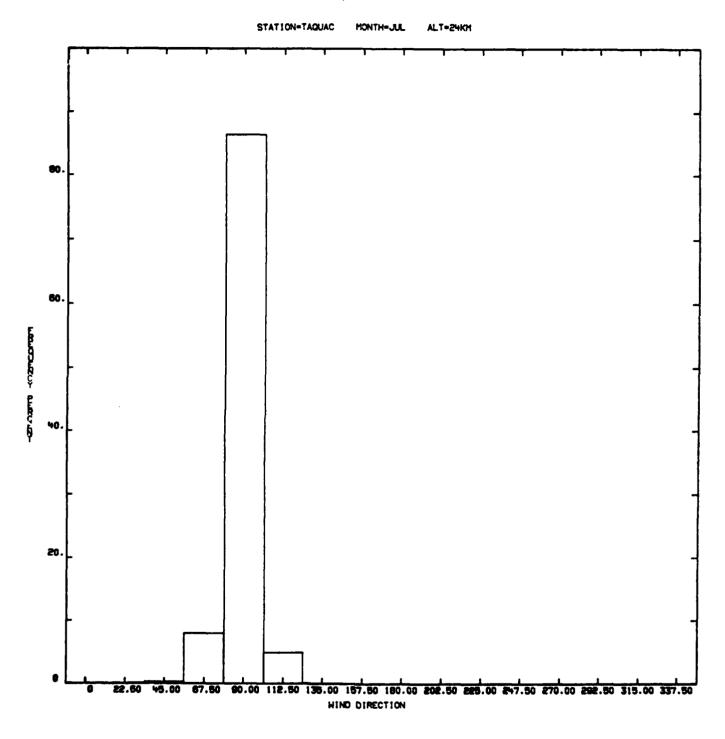


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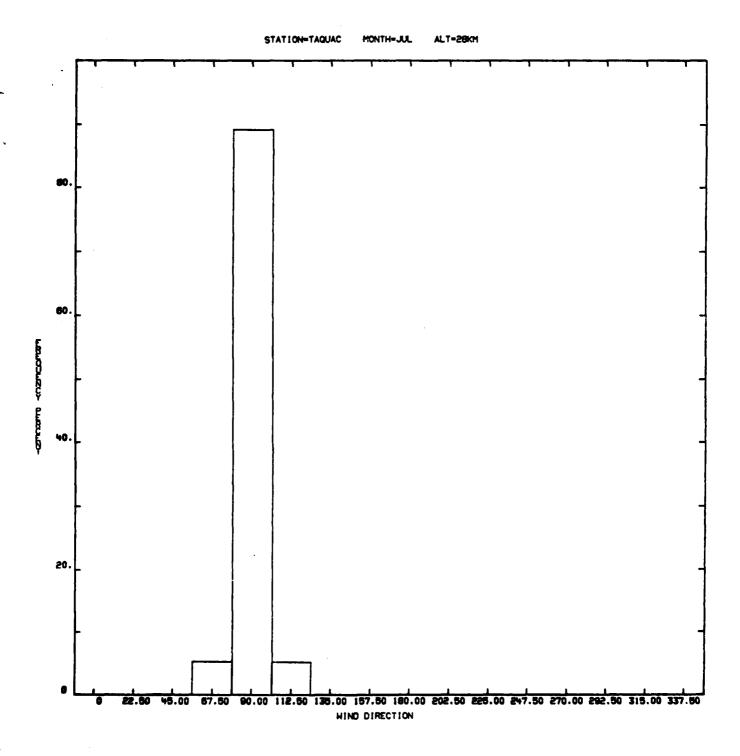


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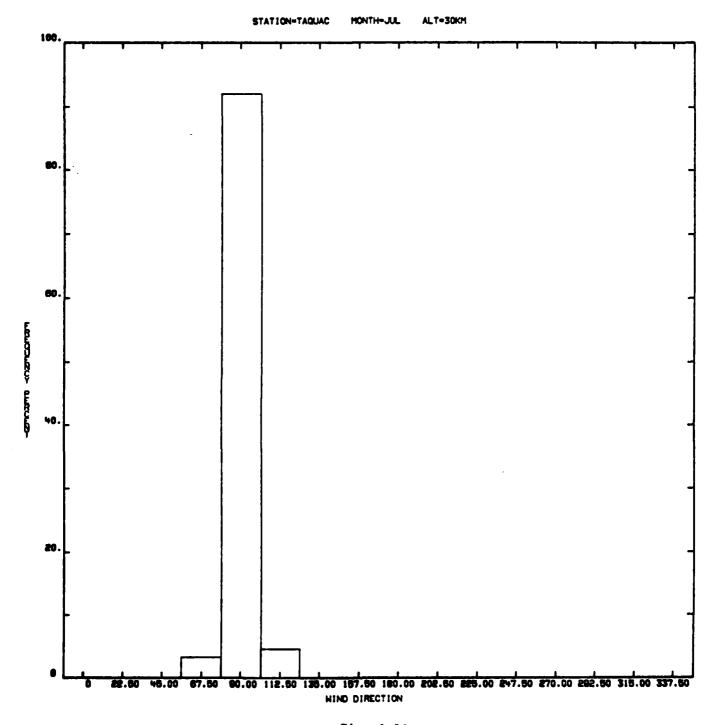


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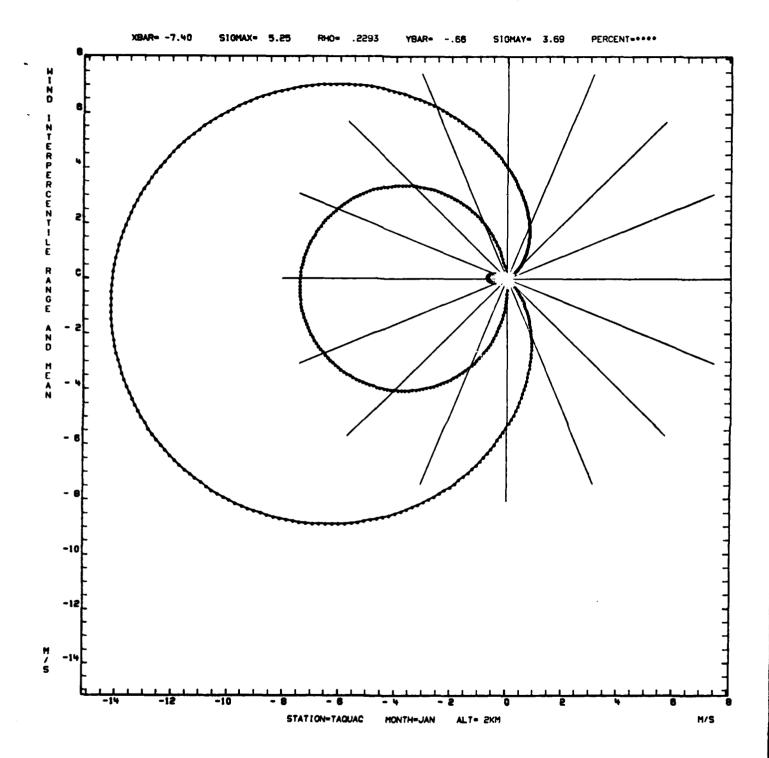


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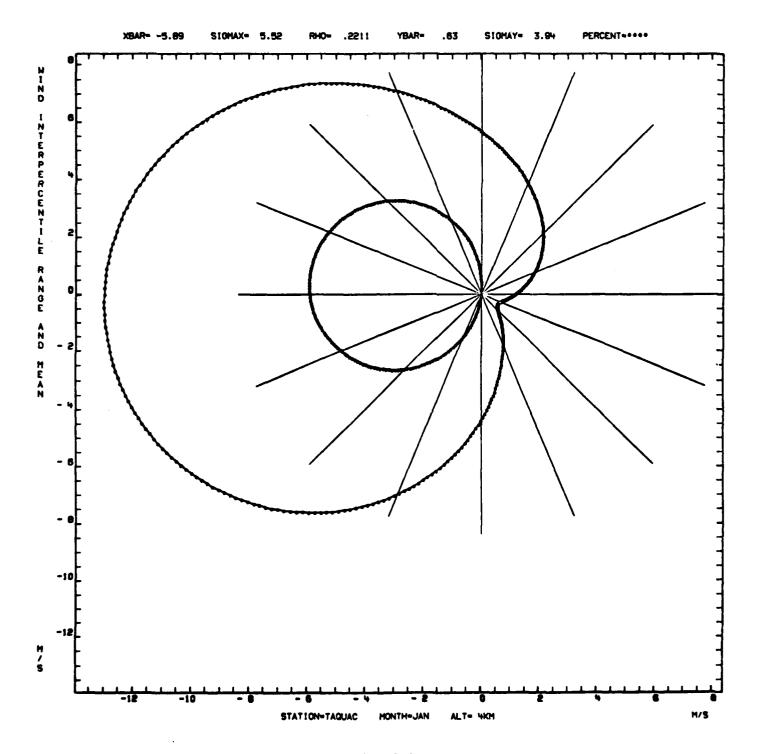


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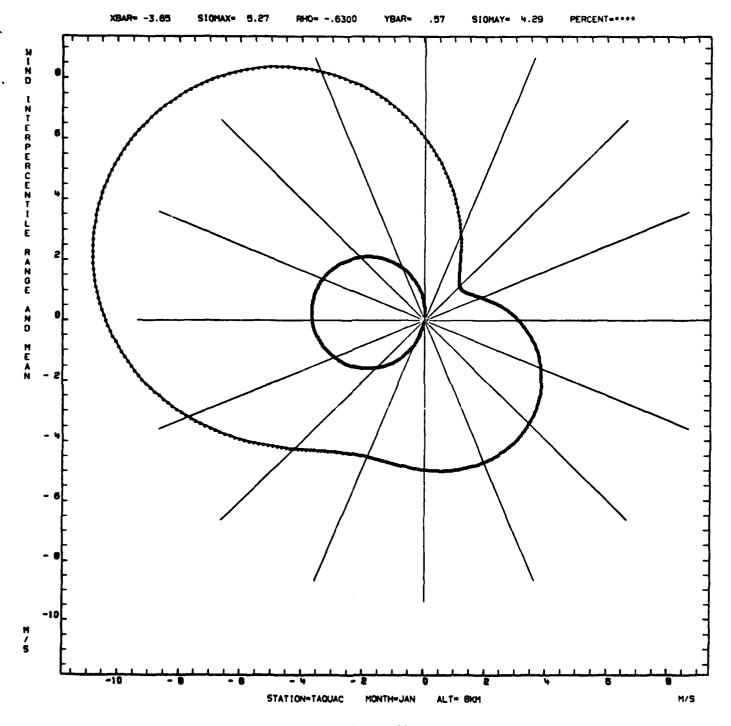


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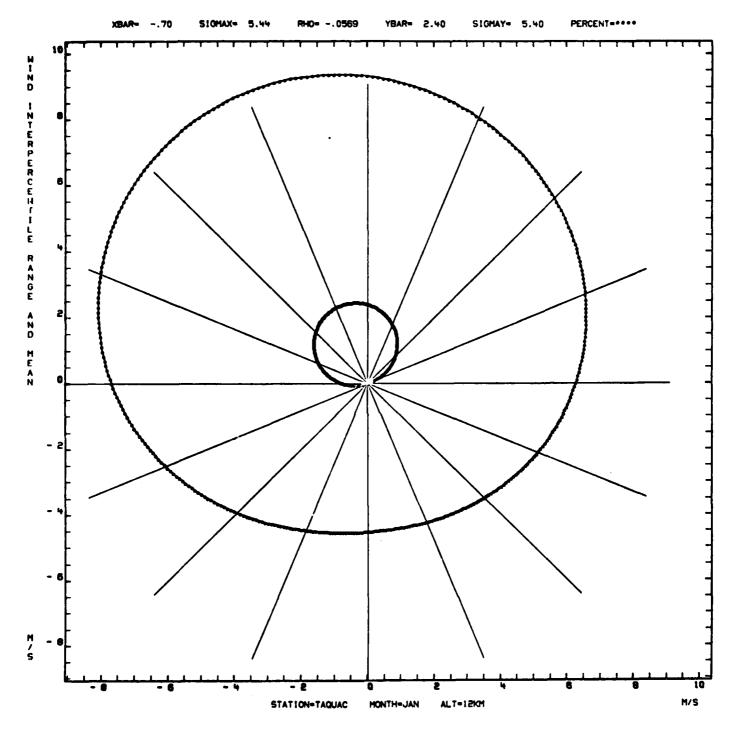


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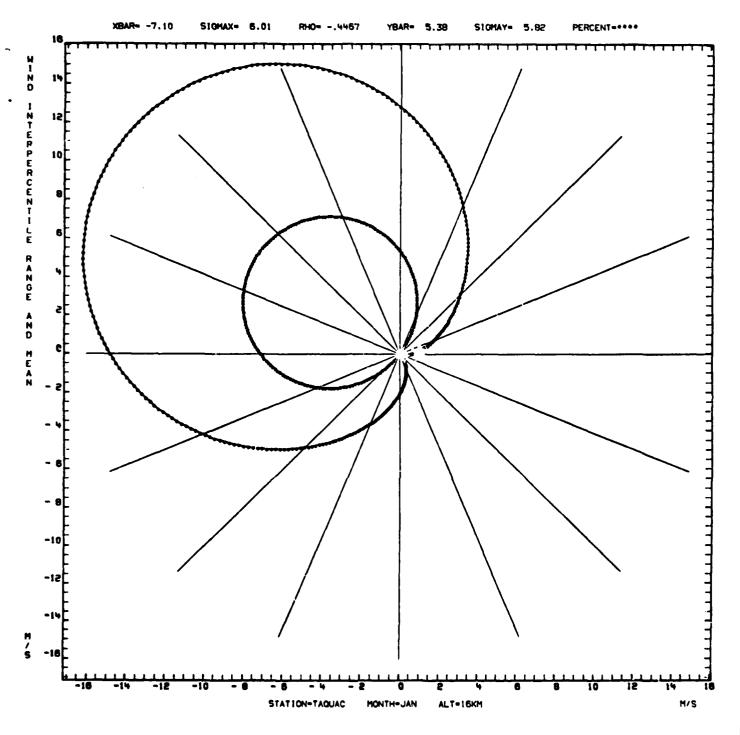


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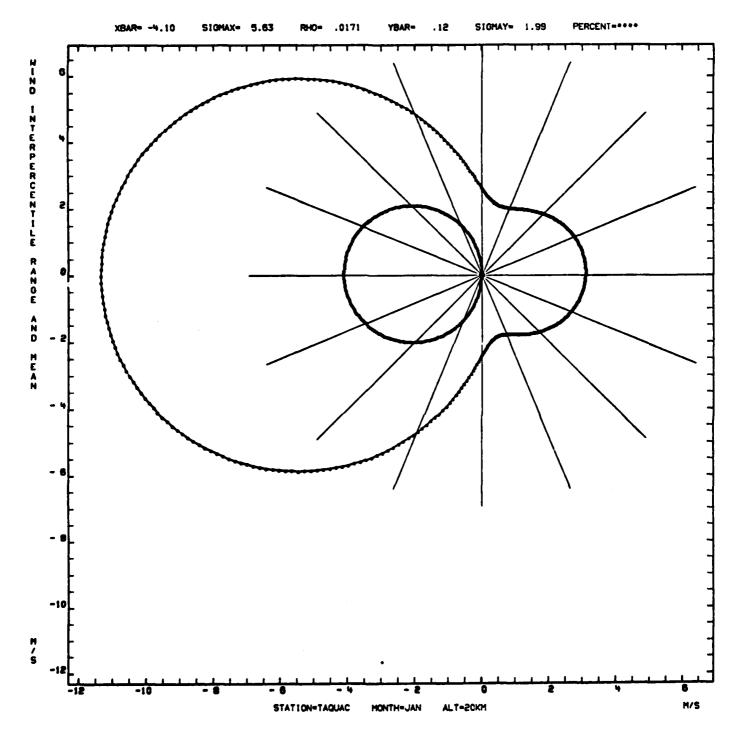


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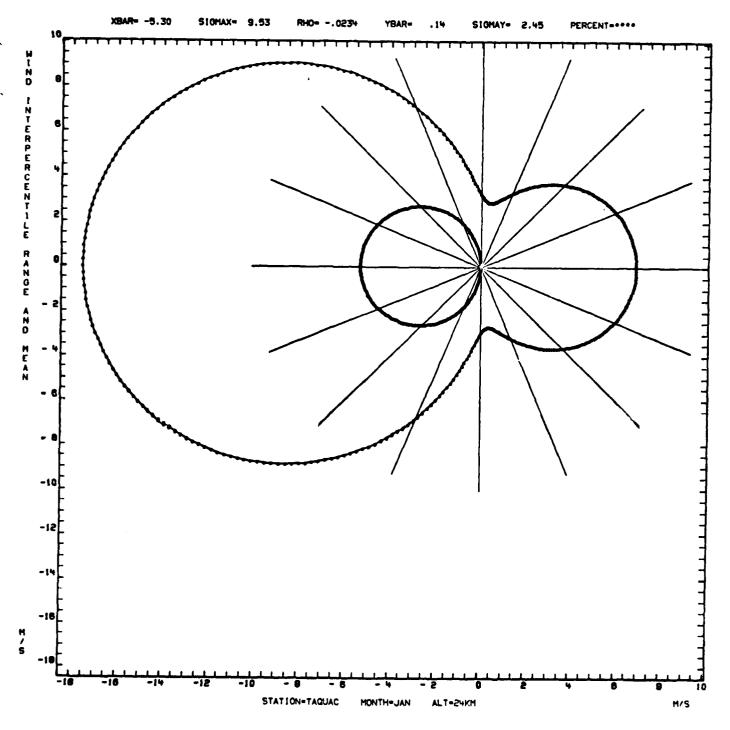


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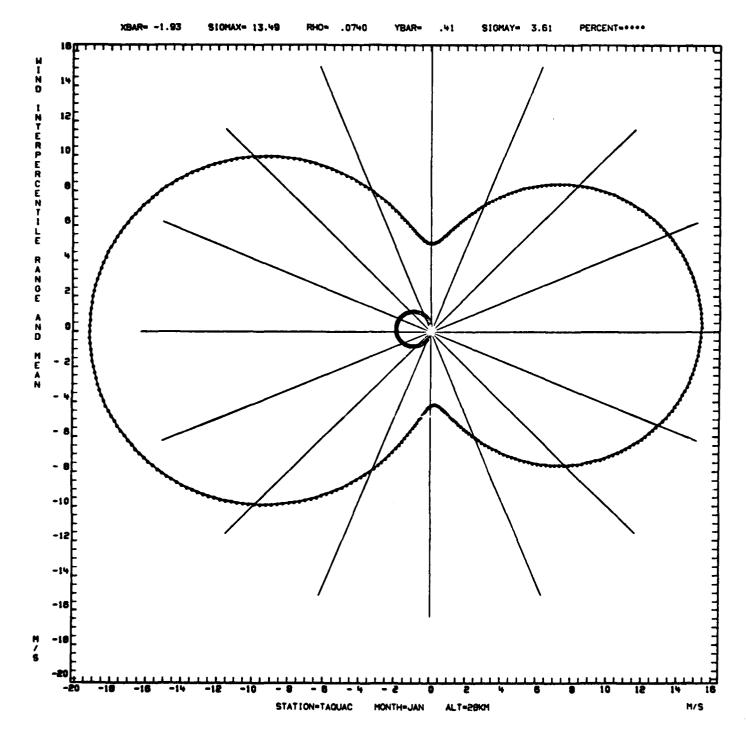


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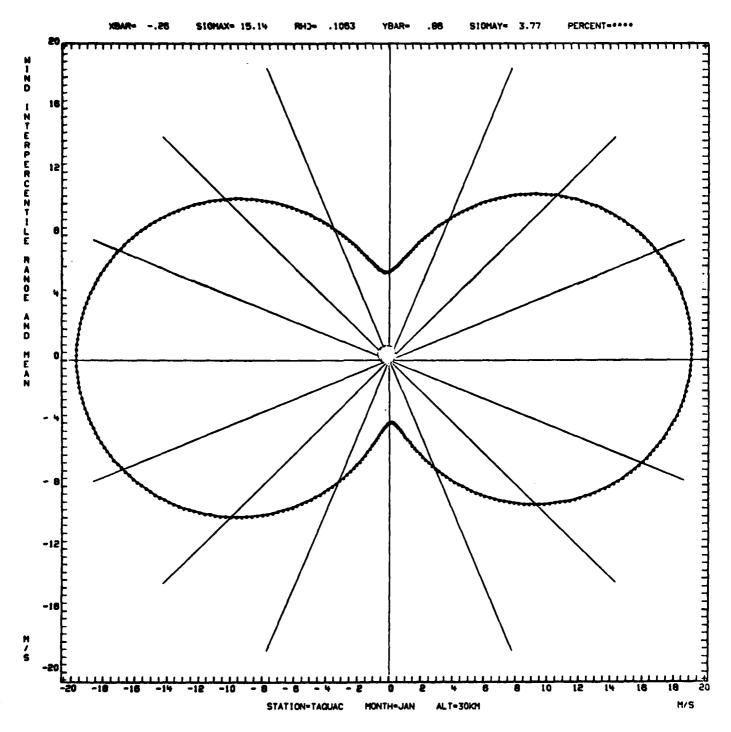


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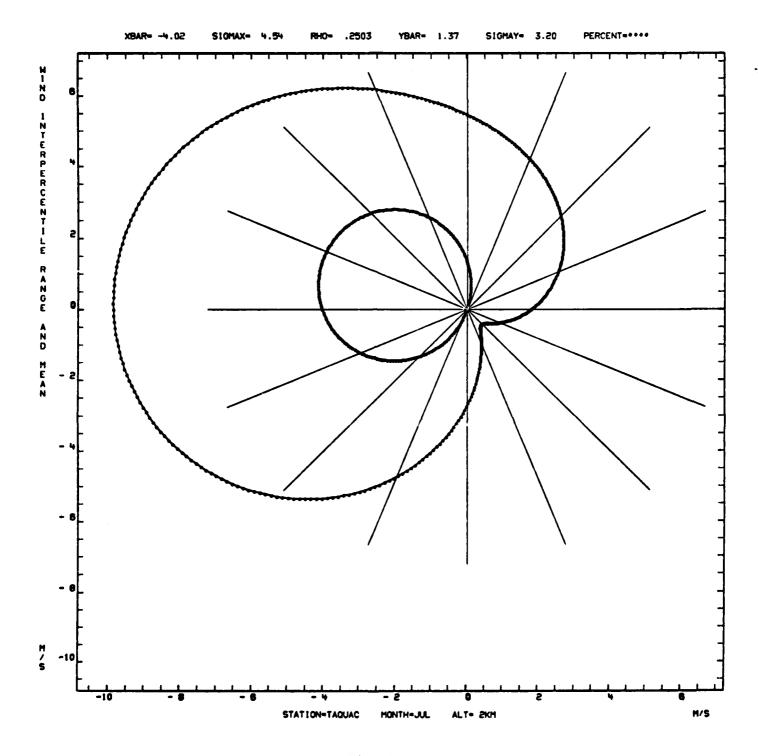


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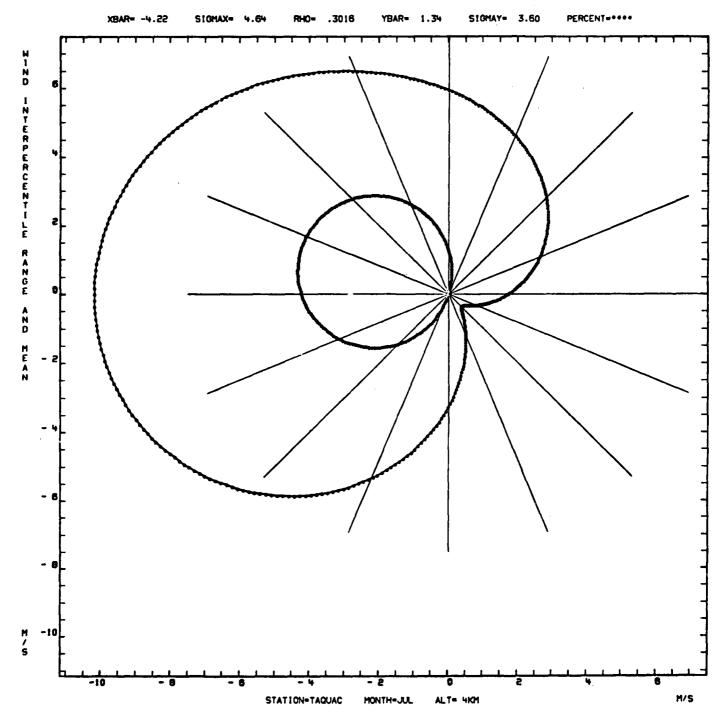


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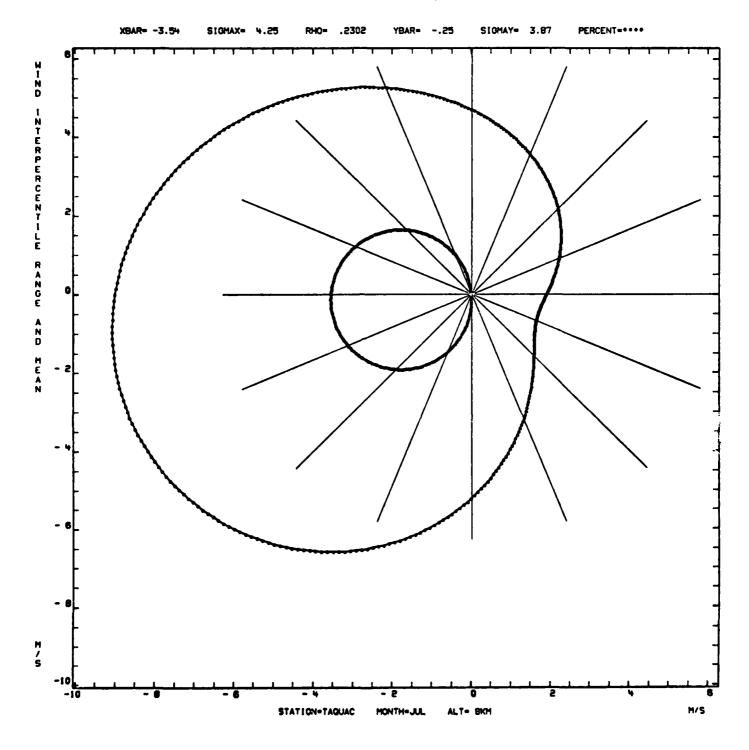


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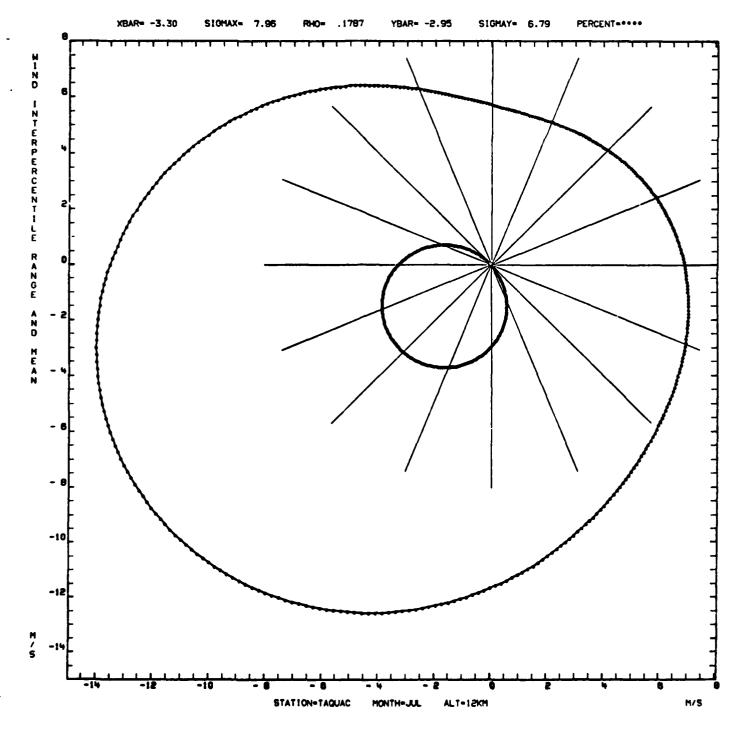


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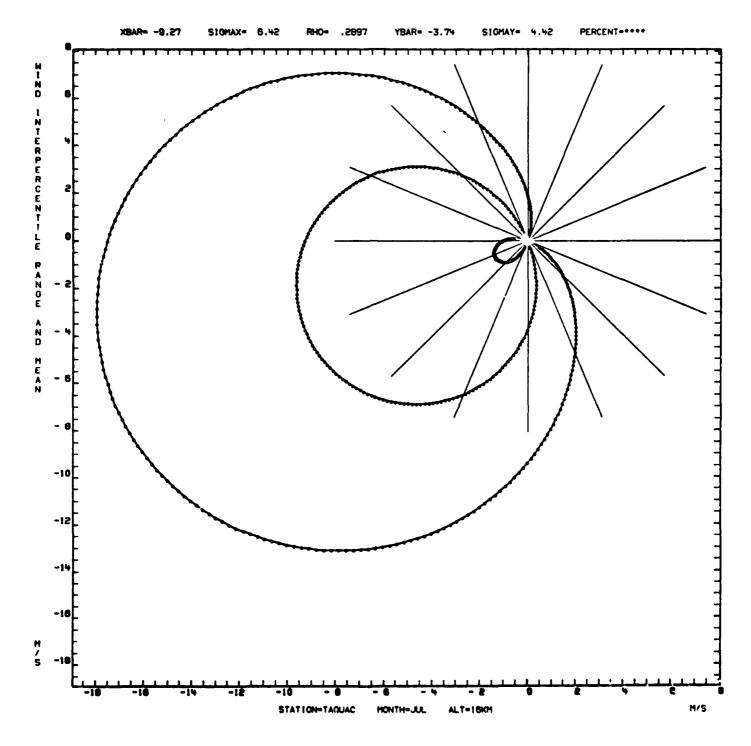


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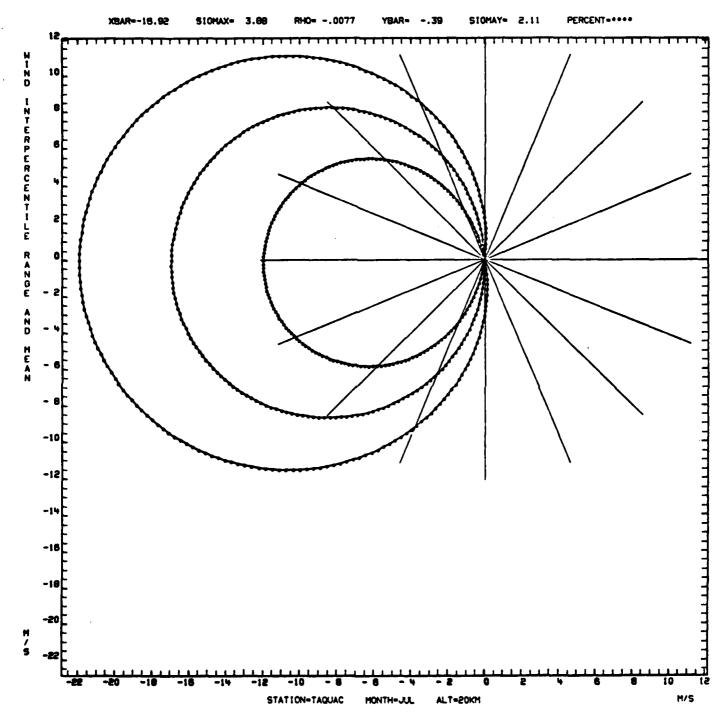


Fig. A-33.

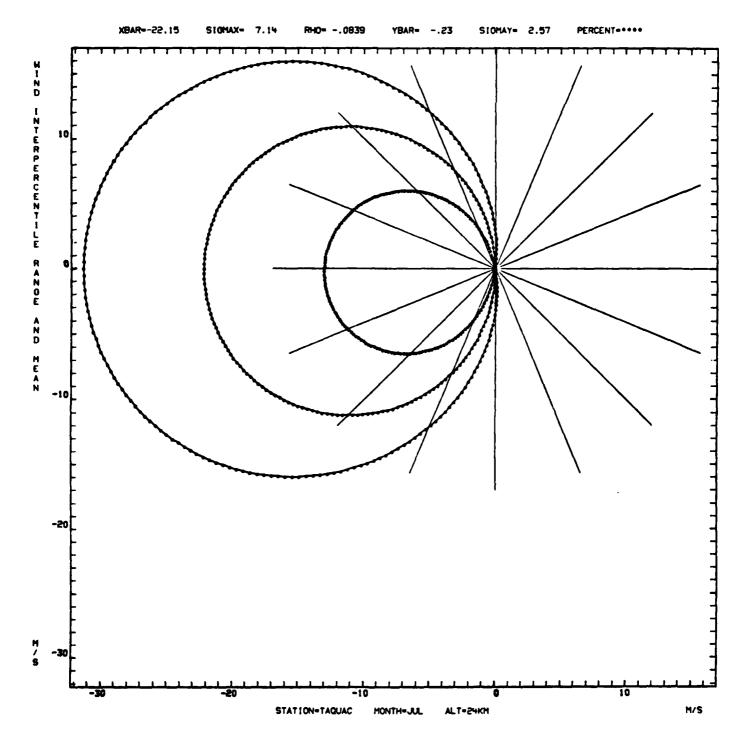


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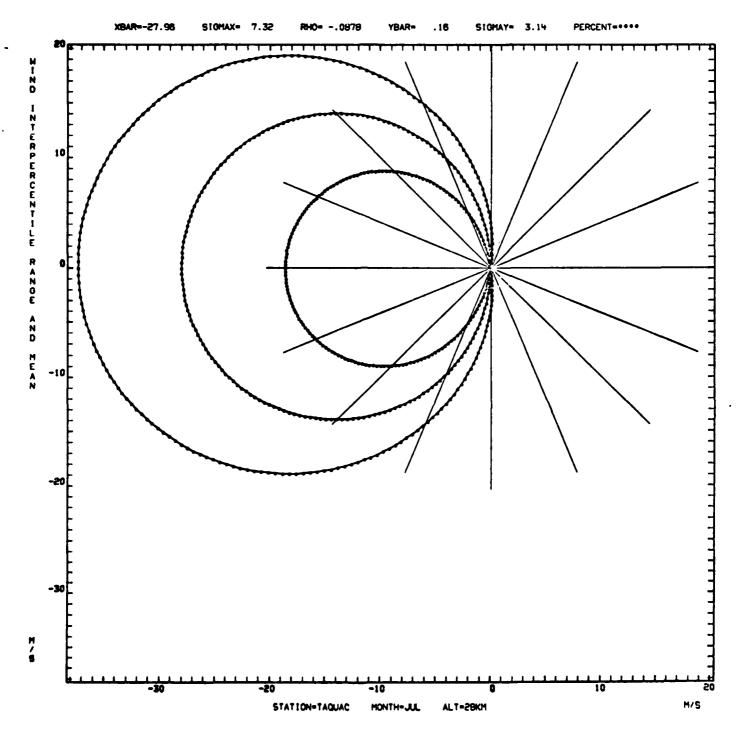


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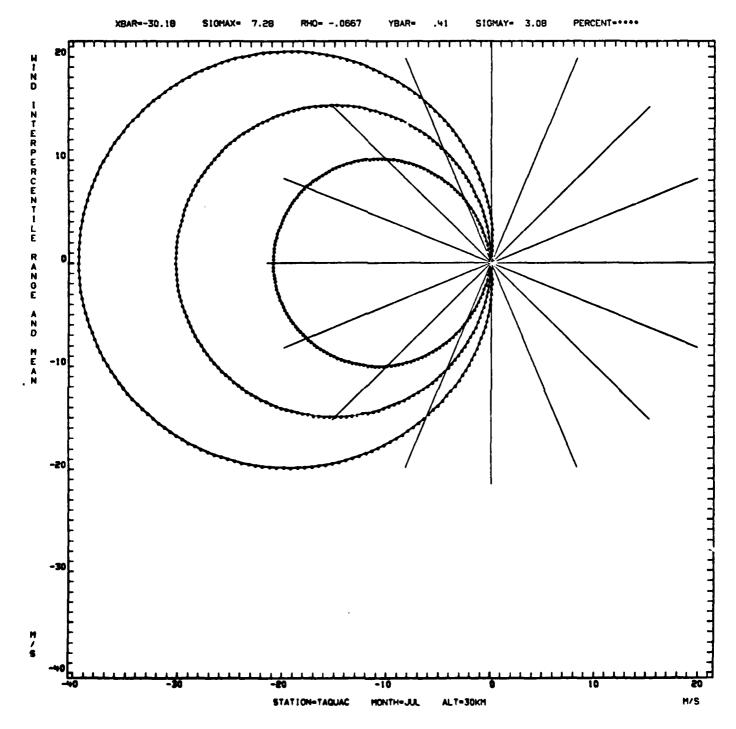


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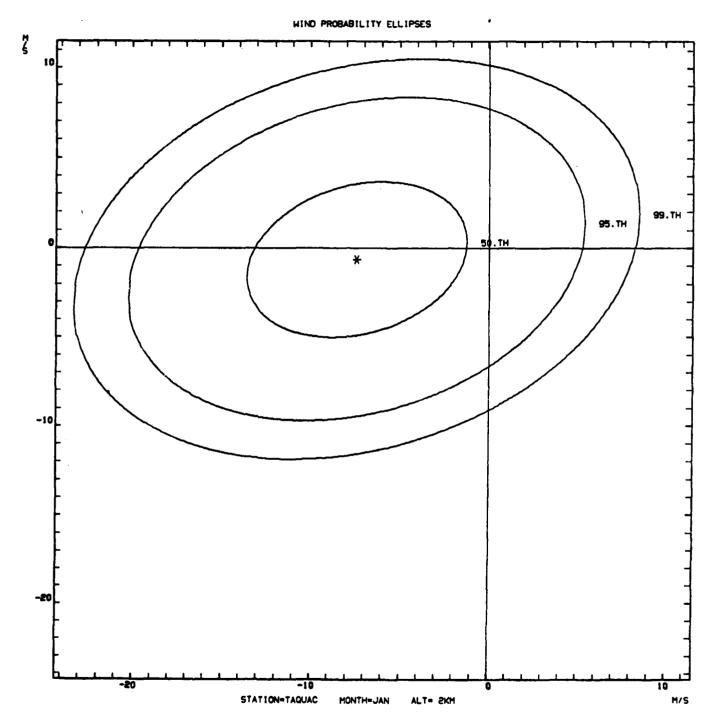


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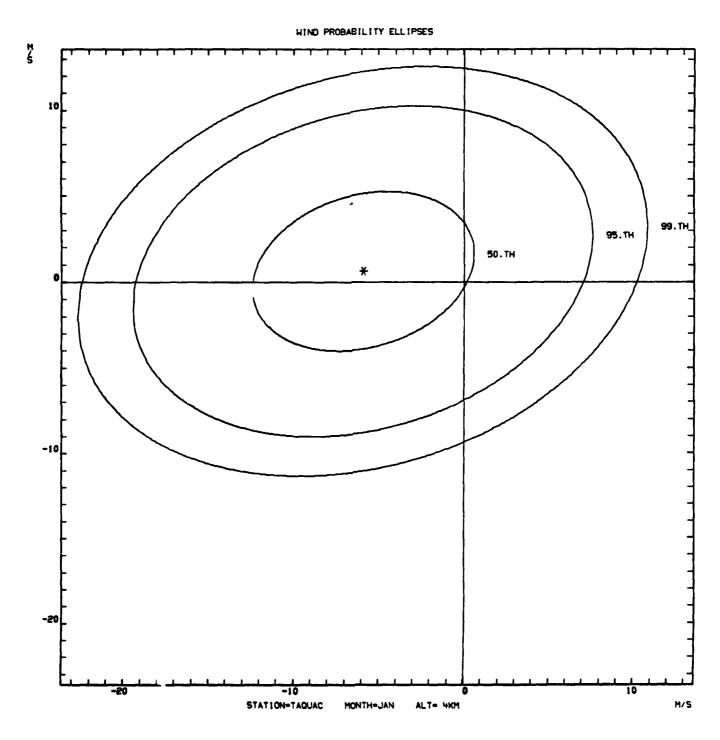


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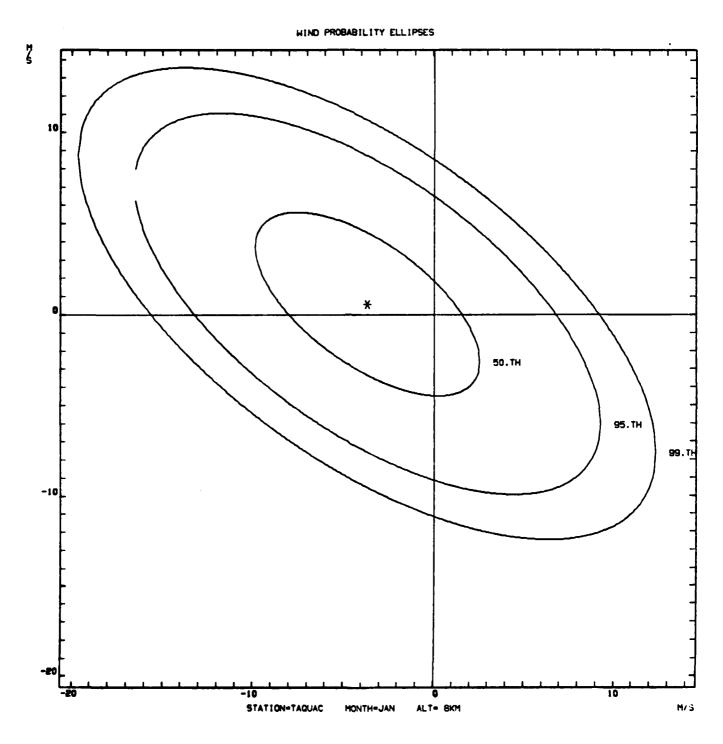


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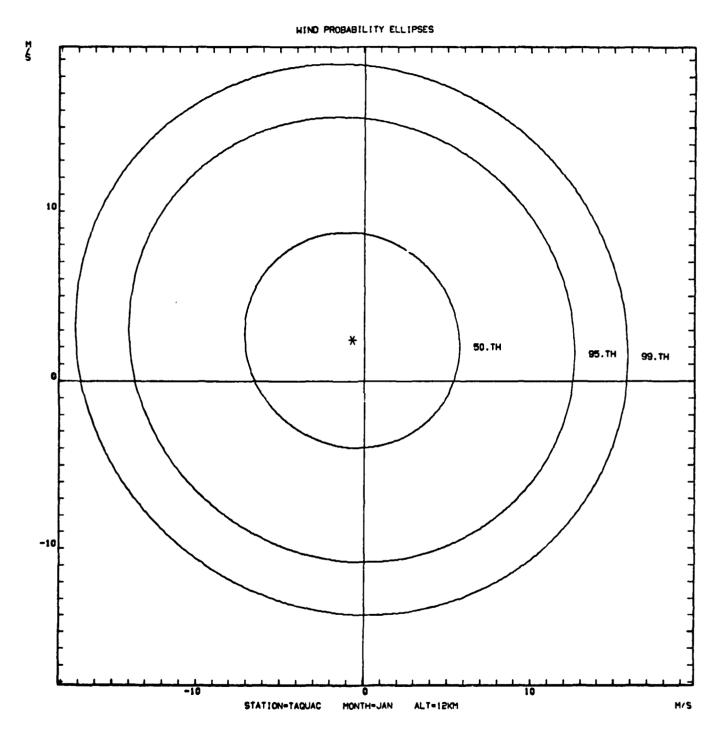


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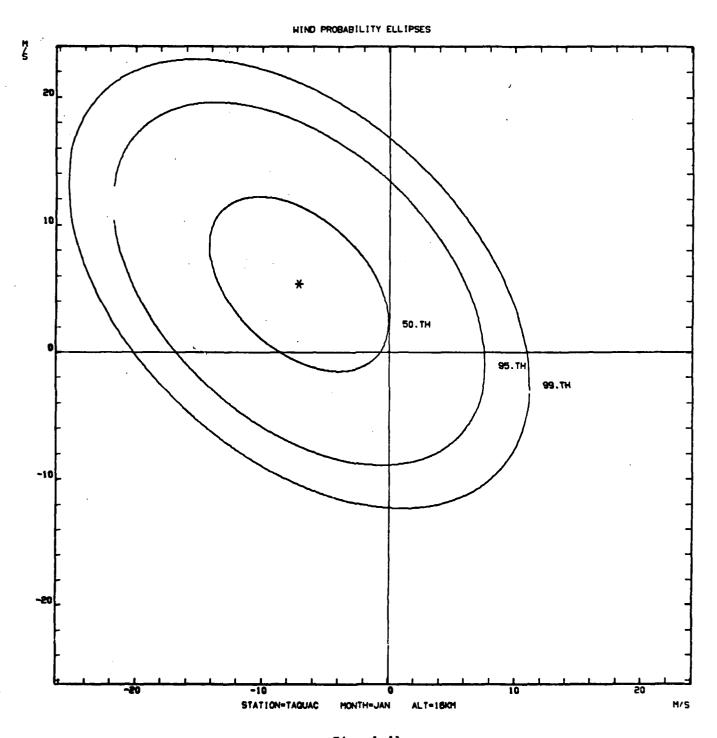


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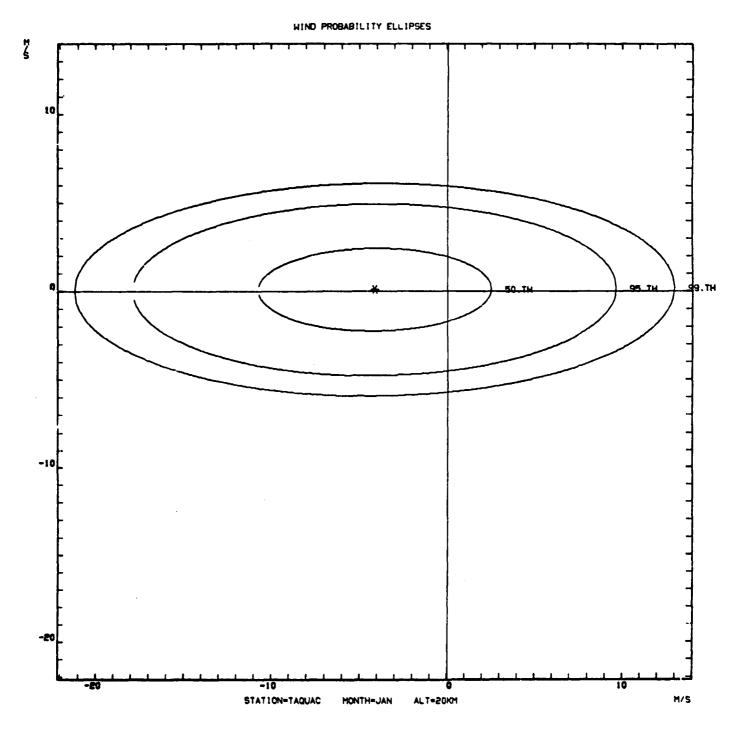


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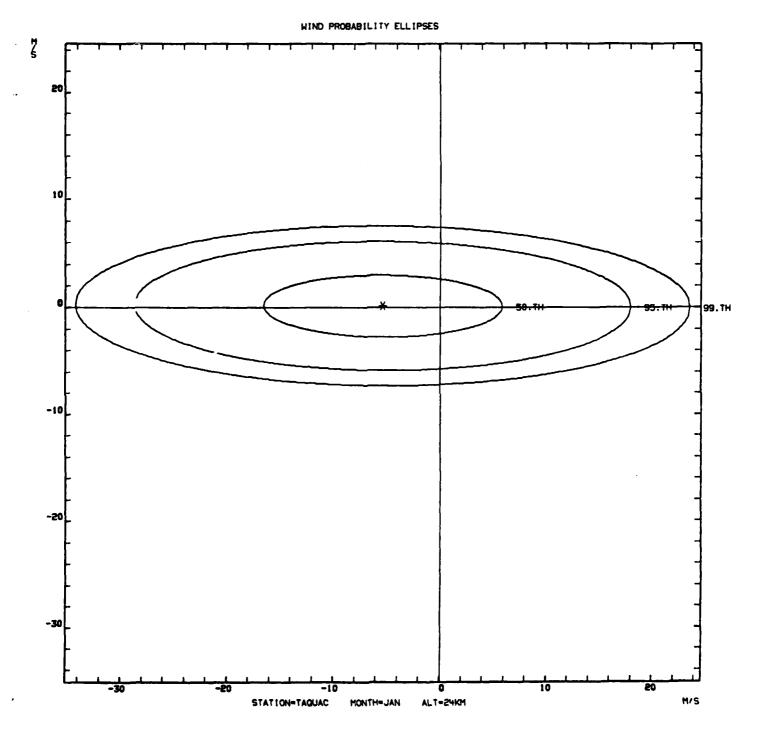


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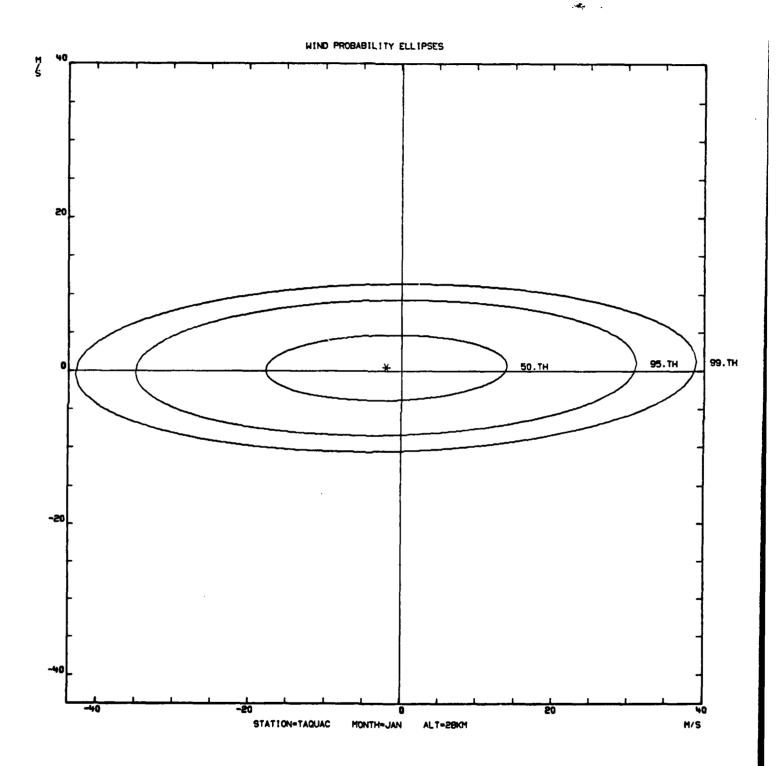


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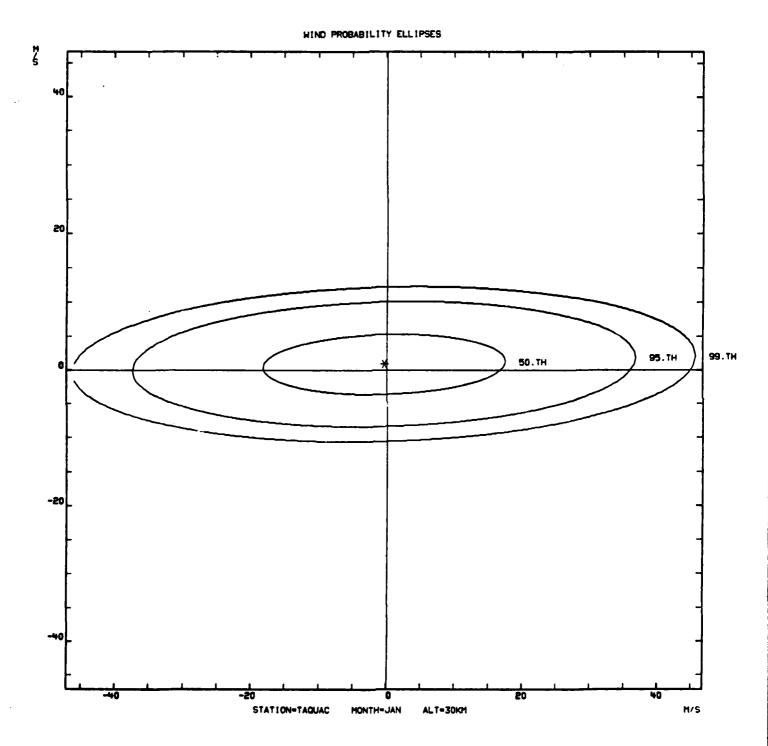


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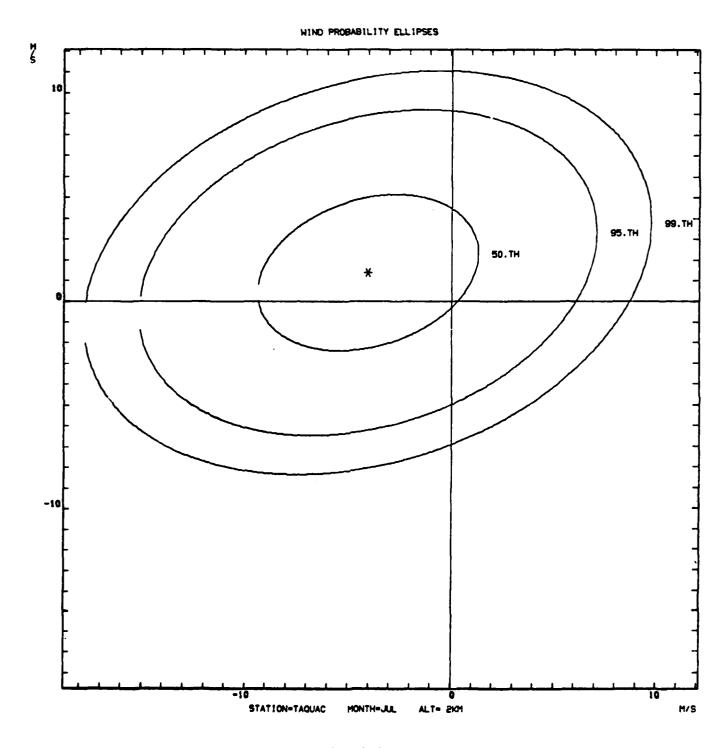


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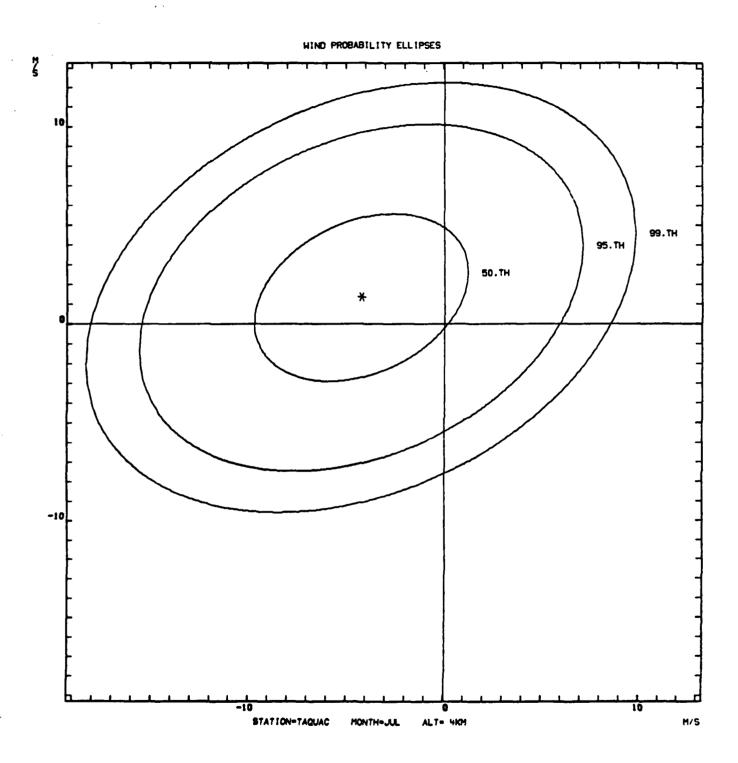


Fig. A-47.

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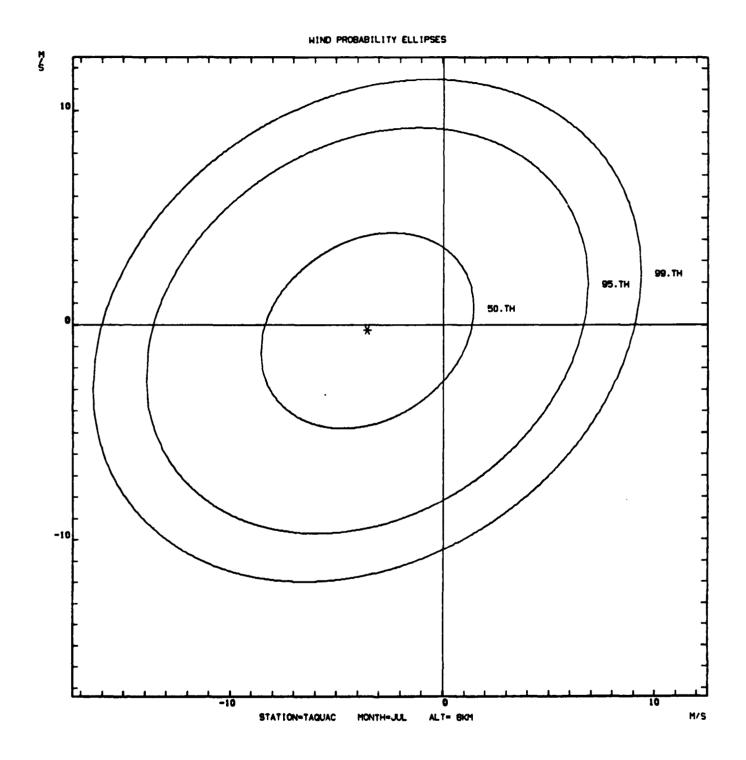


Fig. A-48.

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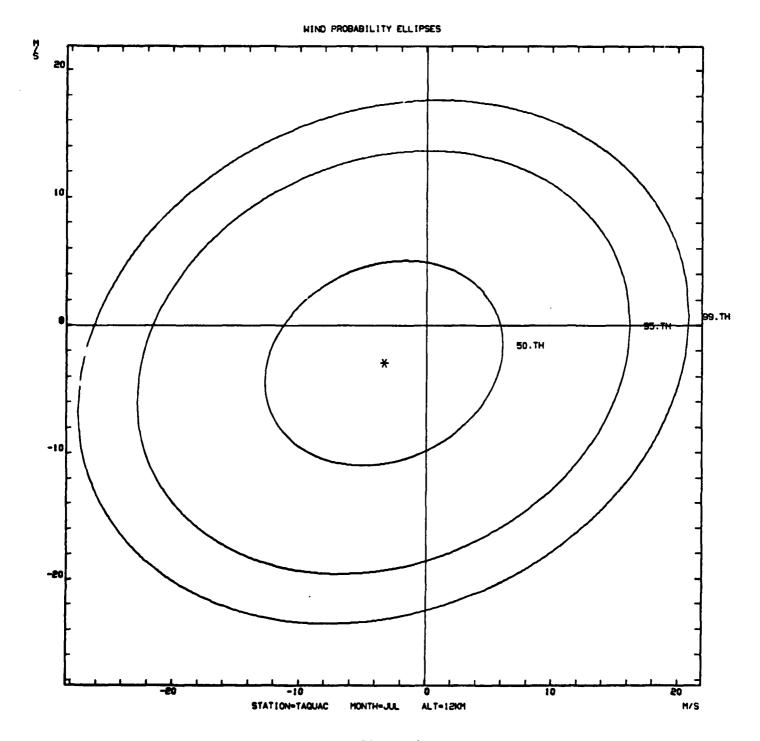


Fig. A-49.

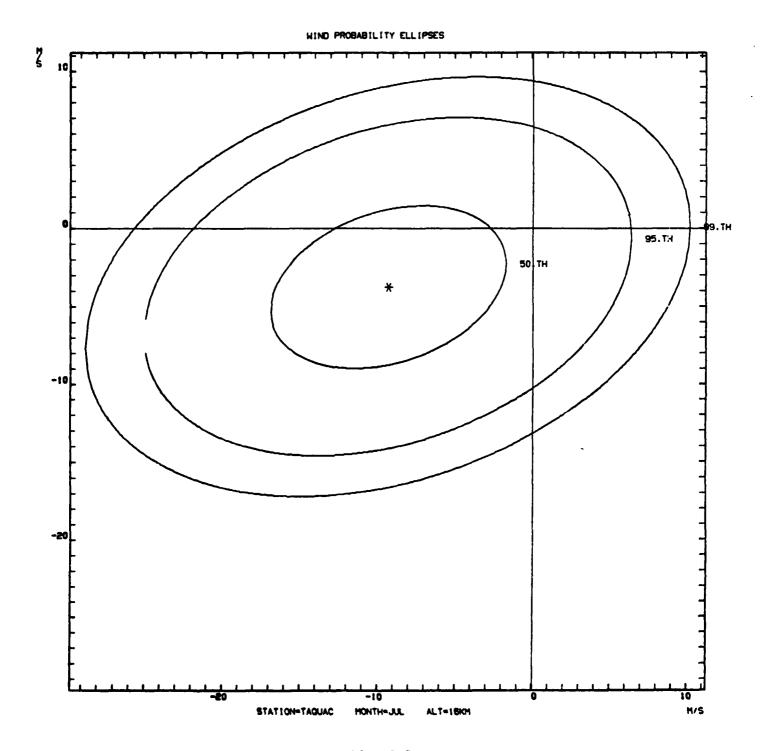


Fig. A-50.

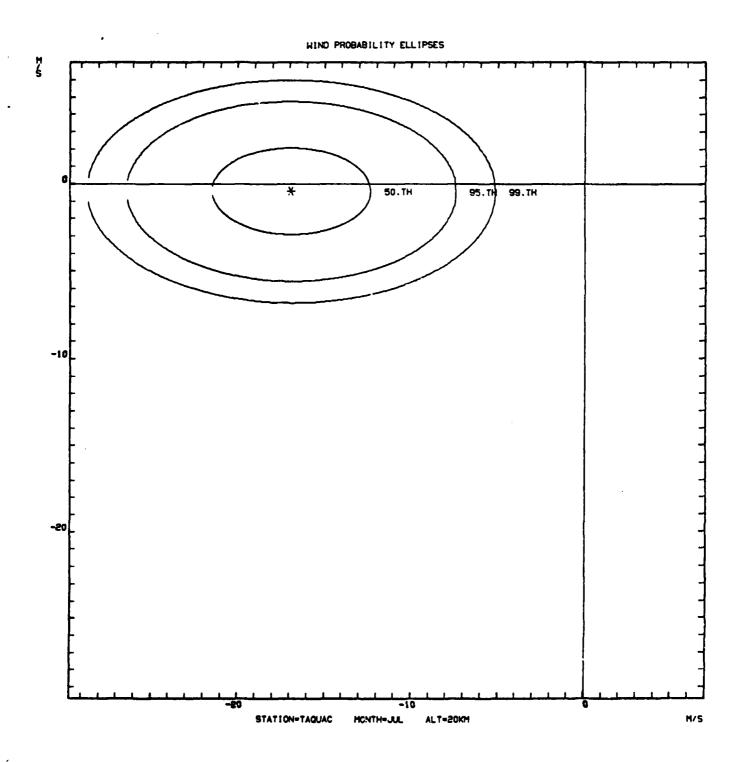


Fig. A-51.

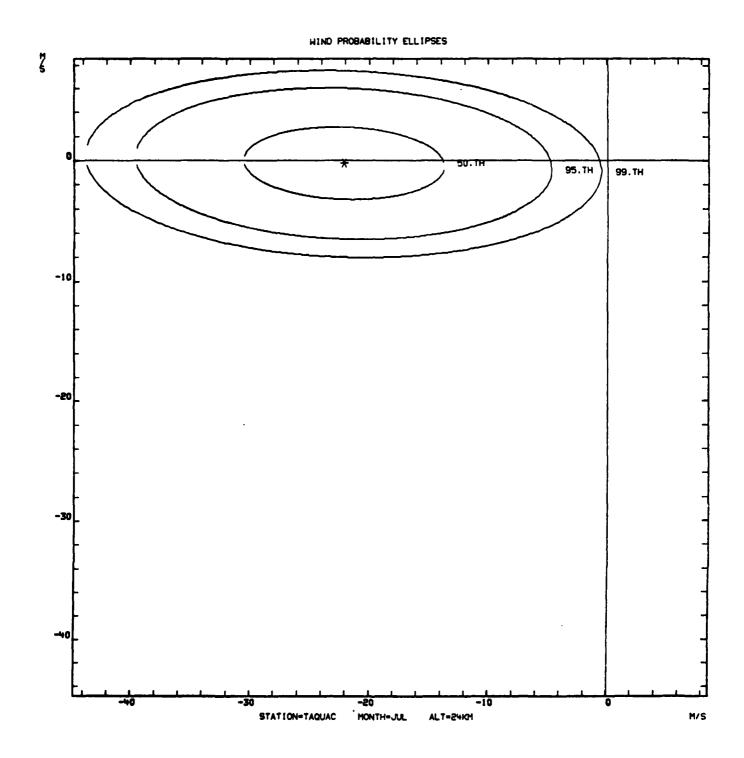


Fig. A-52.

PROFILE ARREST (PROFILES) TRESCUES

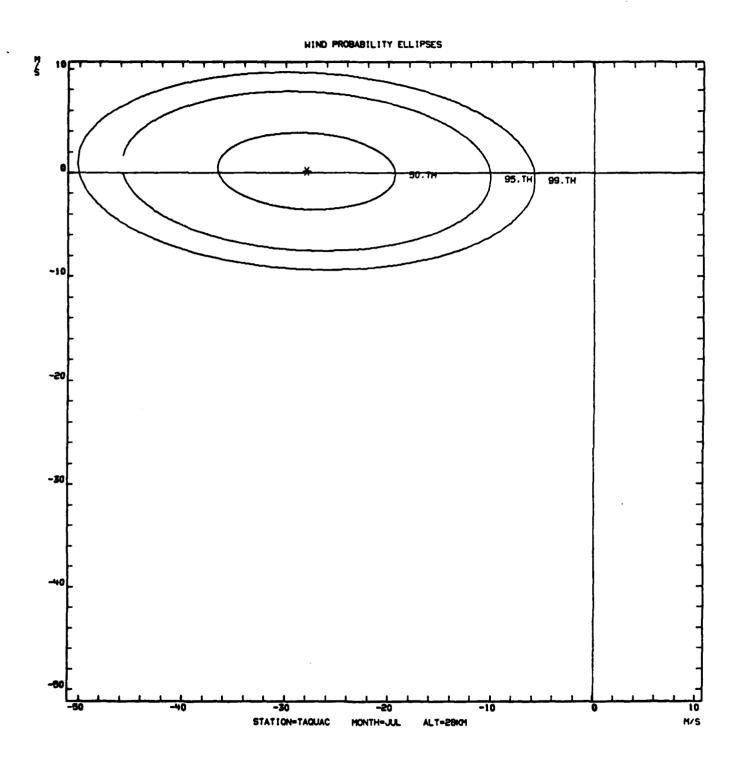


Fig. A-53.

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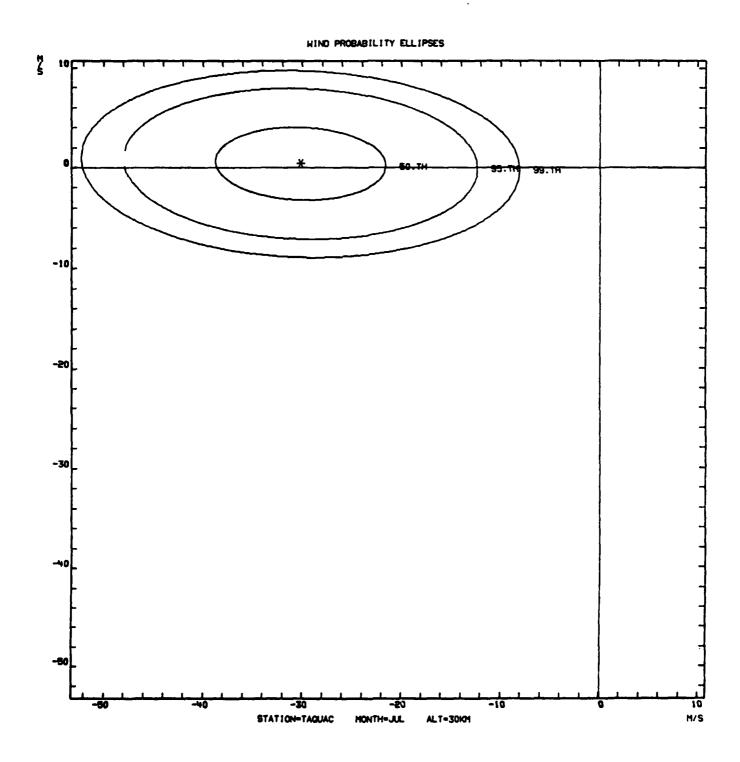
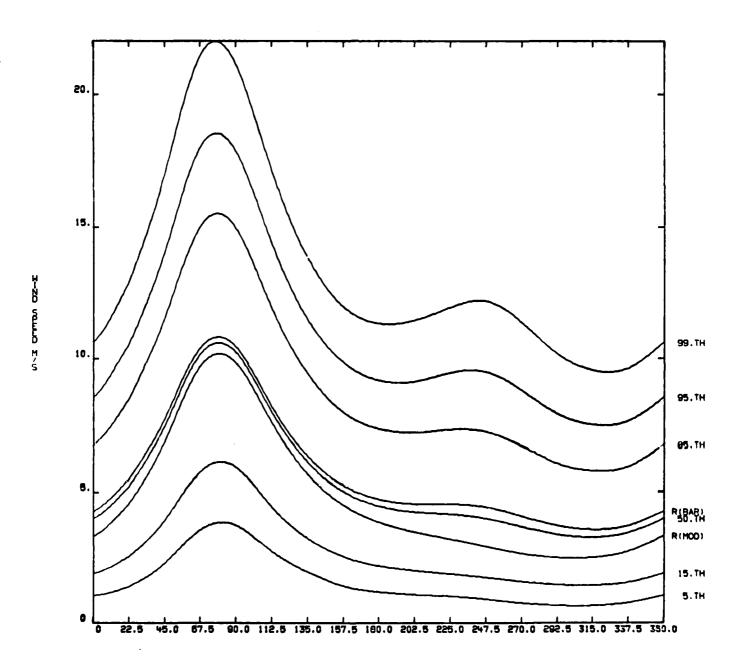


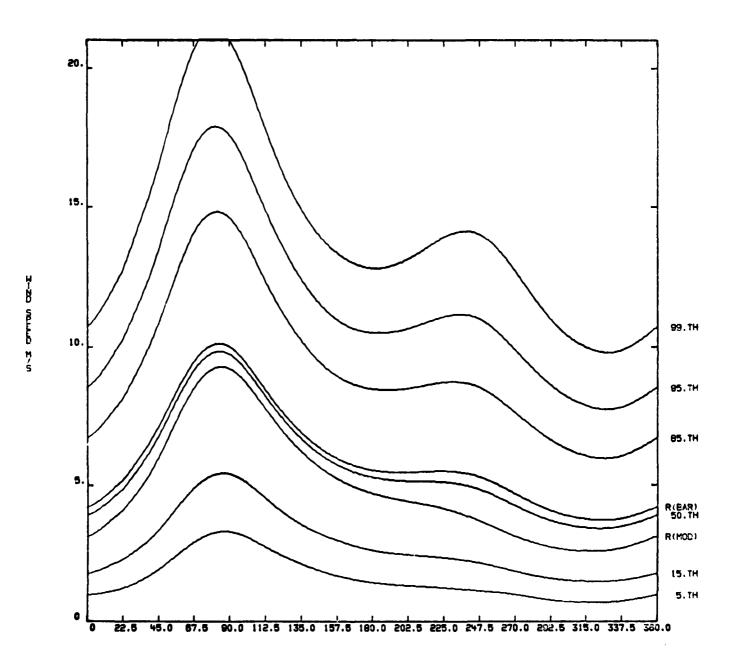
Fig. A-54.



CONDITIONAL WIND SPEED GIVEN WIND DIRECTION

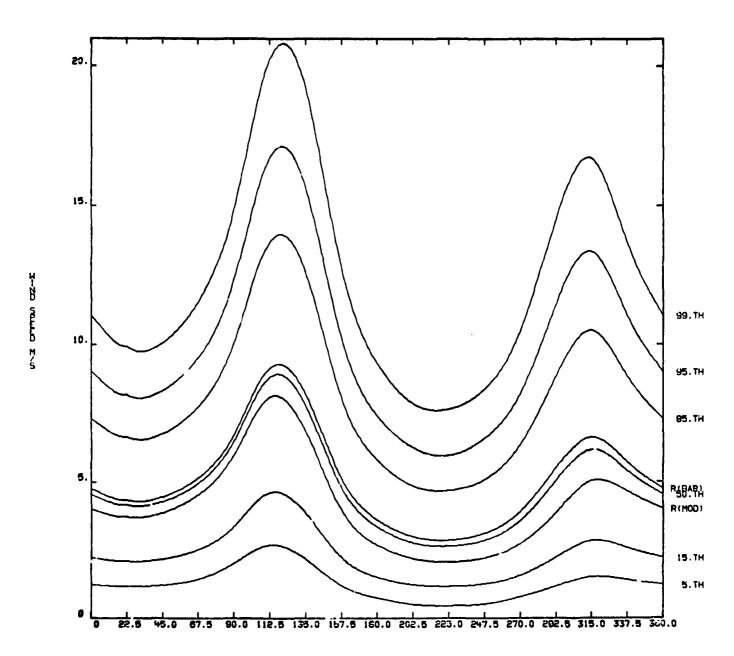
Fig. A-55.

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CONDITIONAL WIND SPEED GIVEN WIND DIRECTION

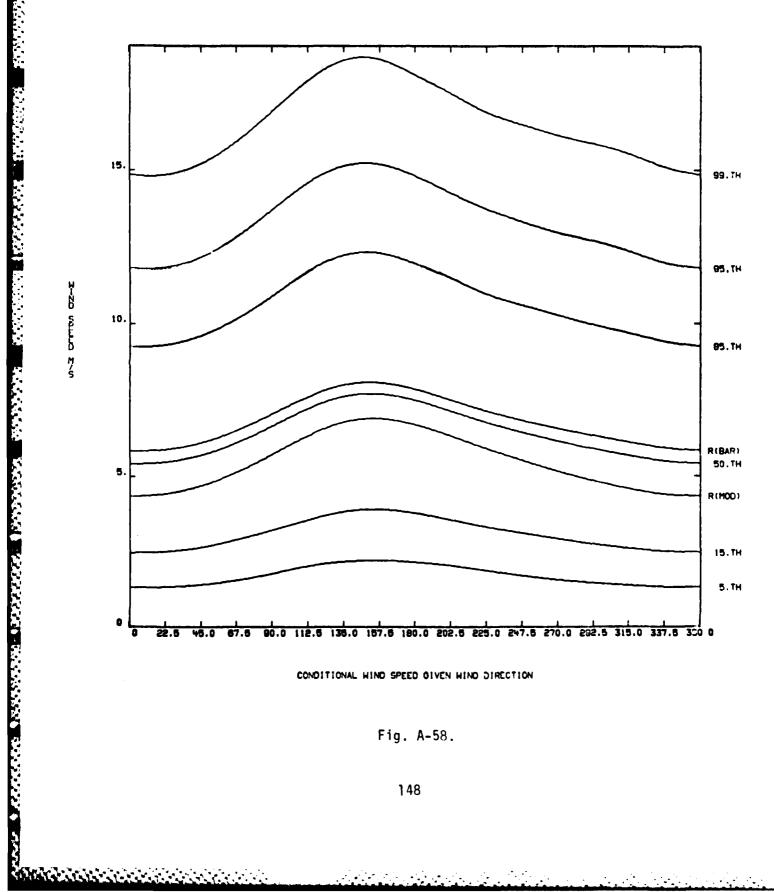
Fig. A-56.



CONDITIONAL HIND SPEED GIVEN HIND DIRECTION

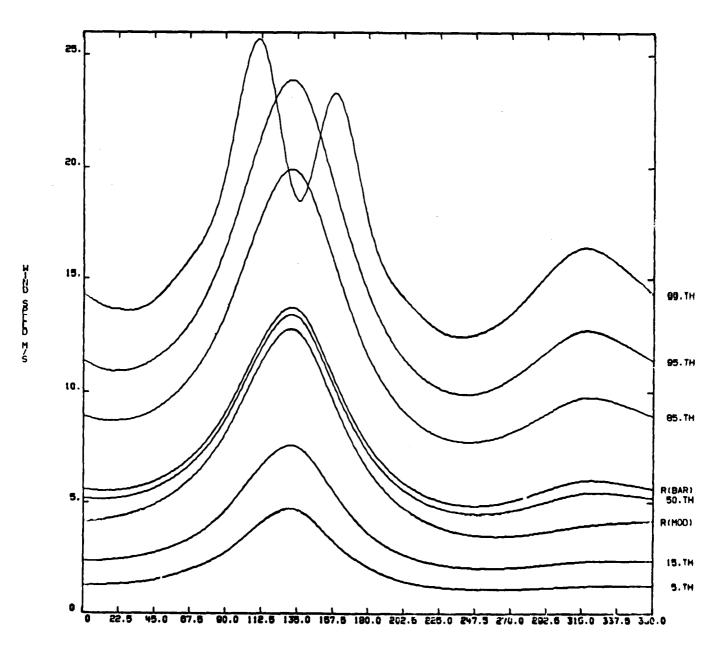
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Fig. A-57.



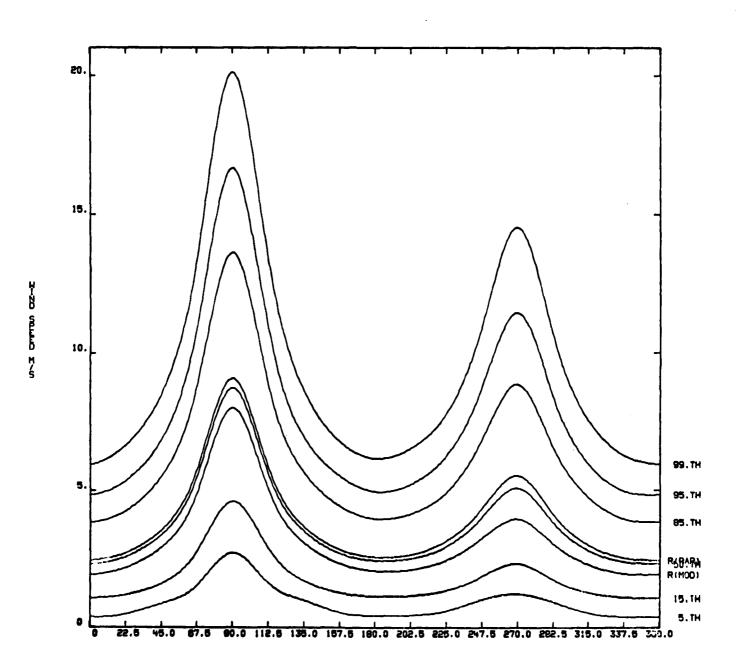
CONDITIONAL WIND SPEED GIVEN WIND DIRECTION

Fig. A-58.



CONDITIONAL HIND SPEED GIVEN HIND DIRECTION

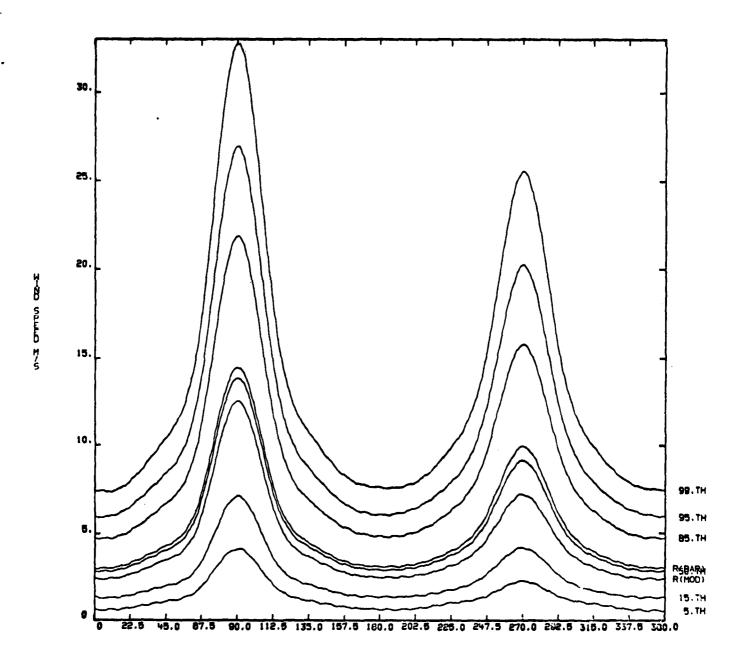
Fig. A-59.



CONDITIONAL HIND SPEED GIVEN WIND DIRECTION

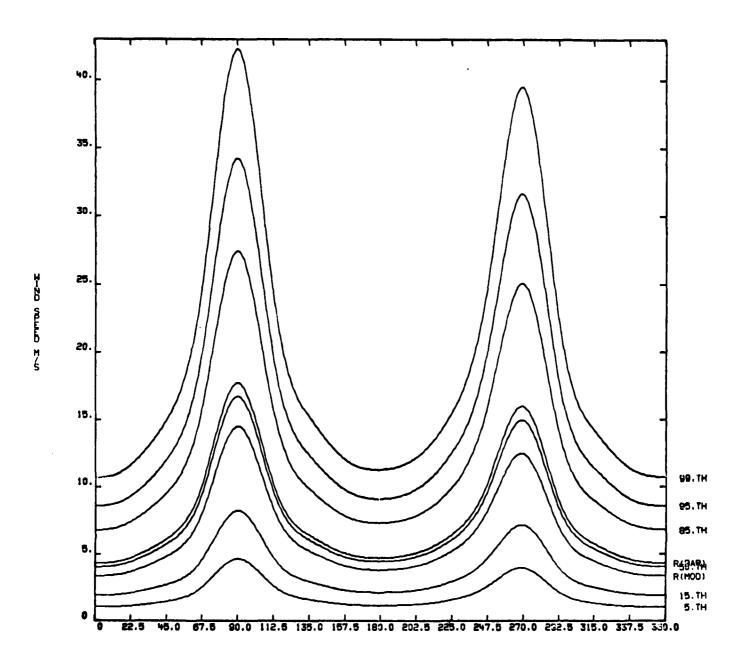
Fig. A-60.

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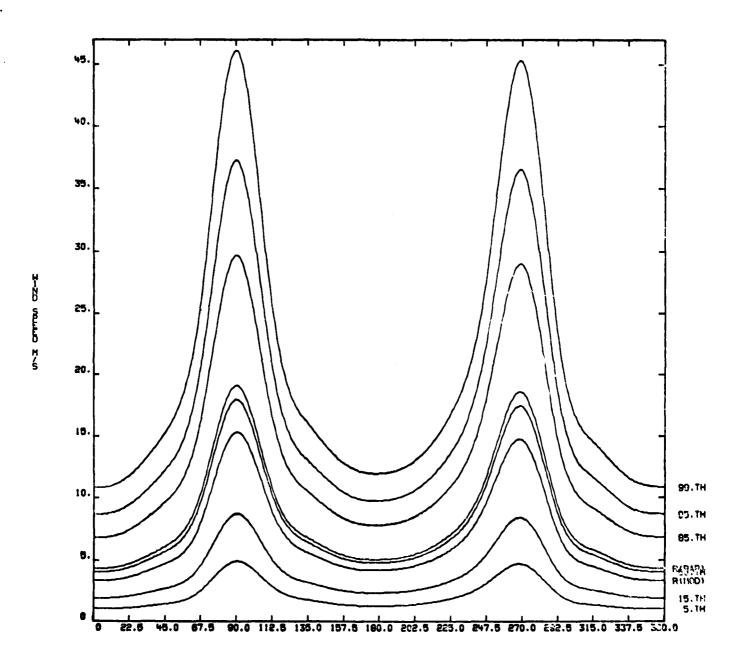
CONDITIONAL WIND SPEED GIVEN WIND DIRECTION

Fig. A-61.



CONDITIONAL HIND SPEED GIVEN HIND DIPECTION

Fig. A-62.

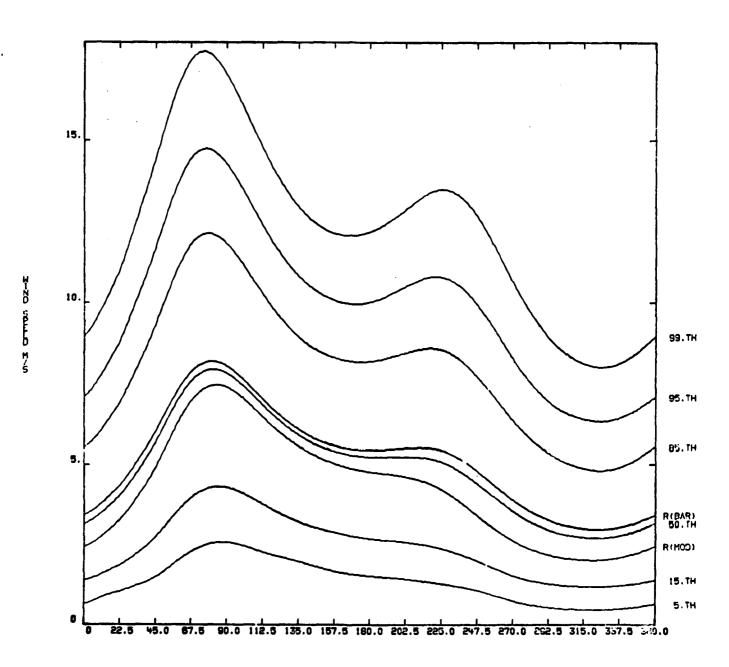


CONDITIONAL HIND SPEED GIVEN WIND DIFECTION

Fig. A-63.

CONDITIONAL HIND SPEED GIVEN HIND DIRECTION

Fig. A-64.



CONDITIONAL WIND SPEED GIVEN WIND DIRECTION

Fig. A-65.

CONDITIONAL HIND SPEED GIVEN HIND DIRECTION

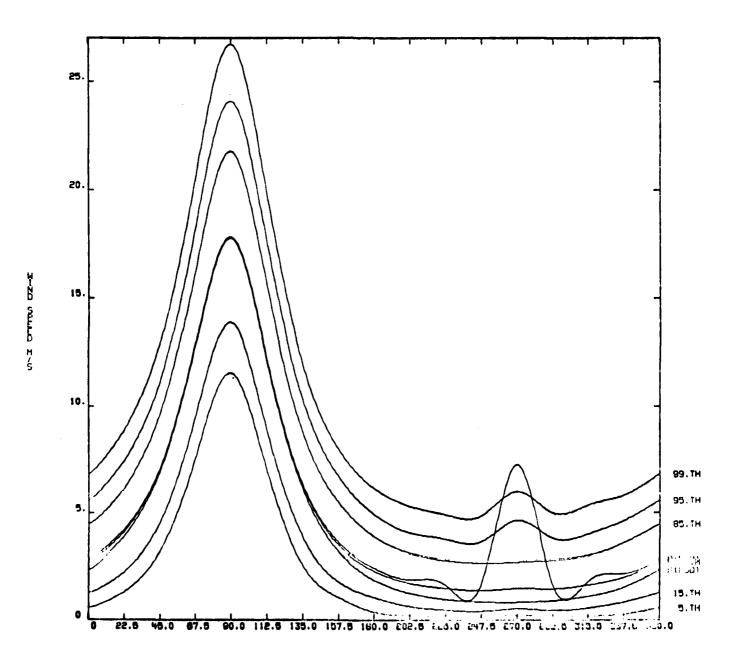
Fig. A-66.

CONDITIONAL WIND SPEED GIVEN WIND DIRECTION

Fig. A-67.

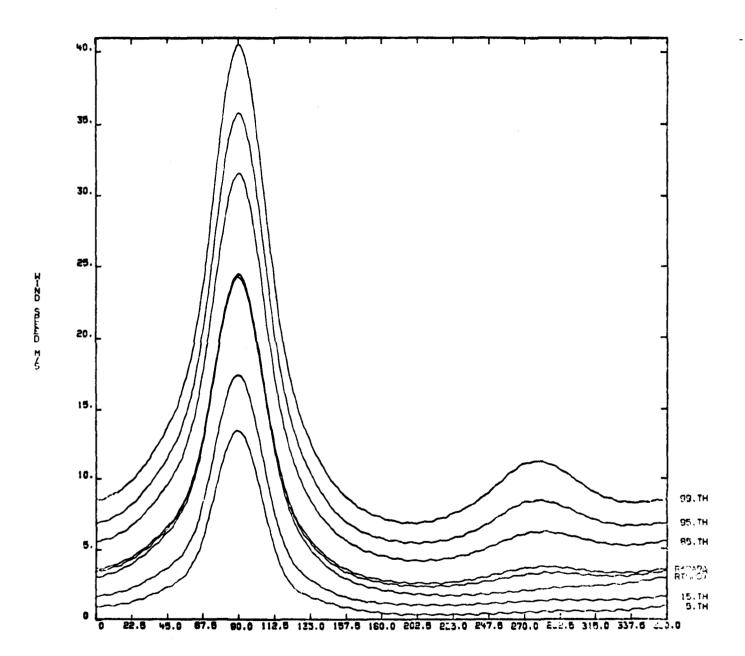
CONDITIONAL WIND SPEED GIVEN WIND DIRECTION

Fig. A-68.



CONDITIONAL WIND SPEED CIVEN WIND DIRECTION

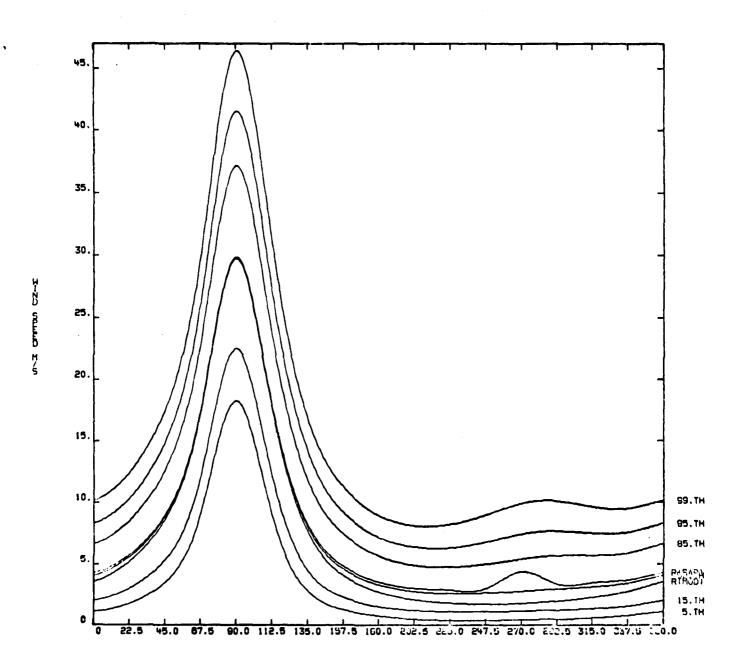
Fig. A-69.



CONDITIONAL WIND SPEED GIVEN WIND DIRECTION

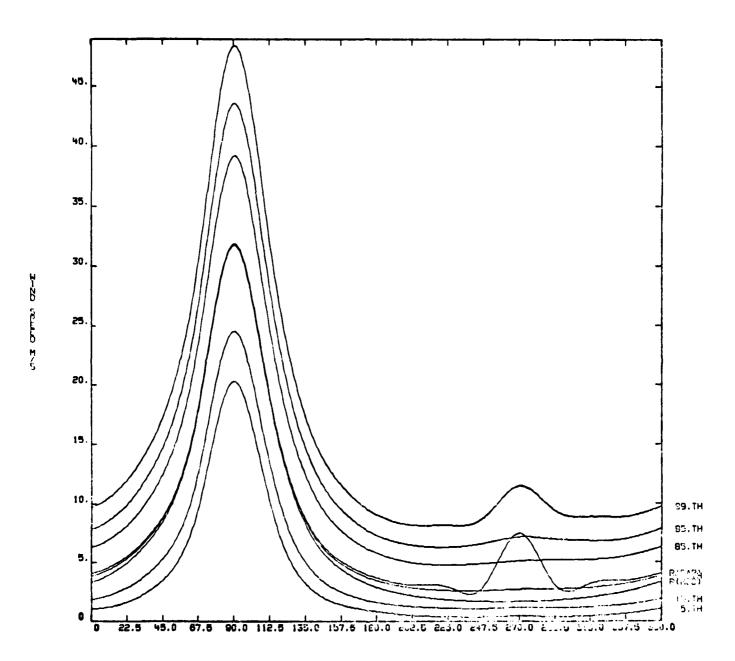
Fig. A-70.

CONTRACT TRACTORY | CONTRACTOR REPORTED IN INCIDENCE |



CONDITIONAL WIND SPEED GIVEN WIND DIRECTION

Fig. A-71.



CONDITIONAL WIND SPEED GIVEN WIND DIRECTION

Fig. A-72.

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APPENDIX B

RANGE SPECIFIC INFORMATION AND THERMODYNAMIC QUANTITIES FOR TAQUAC, GUAM ISLAND

1. Range Specific Information

To prevent further character size reduction for tables I through IV, certain range-specific information has been omitted. This important information is given in table B-1.

TABLE B-1

Header Record 0-30 Km

Table Number	0
Data Source (1 = DATSAV, 2 = WDC-A)	
Call Letters	PGAC
WMO Number	
Latitude	13.33
Direction (N or S)	N
Longitude	-144.51
Direction (E or W)	Е
Elevation in Meters	111
Start Period of Record (Mo-Yr)	173
End Period of Record (Mo-Yr)	1279
No. of Time Windows (0, 1 or 2)	2
Start Time Window #1 (Hr-MNZ)	2200
End Time Window #1	200
Start Time Window #2	
End Time Window #2	1400
Date of RRA	1080
Altitude Range of RRA Low Level (Km)	0
Altitude Range of RRA High Level (Km)	30
Standard Deviation of Thermodynamic Limits	
Wind Limits	

2. Thermodynamic Quantities

STATES TO SELECT THE SECOND OF THE SECOND SERVICES.

This section presents examples of further computations and graphical displays of pressure, density, and virtual temperature statistics that can be derived from data given in tables II, III, and IV. No attempt is made to present complete nor exhaustive illustrations that can be made to aid in visualizing the relationships that can be made from the data in tables II and IV. The choices are those that aided the committee to verify the reasonableness of the tabulations.

2.1 Monthly Means from the Annual Mean

The hydrostatic model values in table IV are used to compute (1) the monthly mean differences relative to the annual mean values of pressure,

2.1 Monthly Means from the Annual Mean

The hydrostatic model values in table IV are used to compute (1) the monthly mean differences relative to the annual mean values of pressure, density, and virtual temperature expressed in percent and (2) the monthly mean difference in virtual temperature for the annual mean virtual temperature expressed in degrees Kelvin. Examples of these four statistics are given in table B-2 for January and table B-3 for July. Graphical displays of the four statistics contained in tables B-2 and B-3 are shown in figures B-1 through B-8. Also, the relative differences between the monthly mean values from table IV-1 through IV-12 for all months from the annual mean values (table IV-13) are illustrated in figure B-9 for pressure, in figure B-10 for density, and in figure B-11 for virtual temperature. The monthly mean virtual temperature differences from the annual mean virtual temperature for all months are given in figure B-12. The simple sum of the monthly mean differences from the annual mean values of these quantities is not zero. This is because the annual mean statistical parameters are computed (see section III. C.3 of text) by weighting the monthly means by the number of observations of each month.

2.2 Coefficients of Variation and Derived Correlation Coefficients

The coefficient of variation, C_V , is defined by the standard deviation with respect to the mean divided by the mean. The coefficients of variation for pressure, C_VP , and density, C_VD , were computed using the standard deviations from table II and the hydrostatic mean values from table IV. The coefficient of variation for temperature uses the standard deviations of virtual temperature from table III to the altitude where virtual temperature exists. Above this altitude, the standard deviations of temperature are from table II. The mean values for temperature (virtual temperature to the altitude where it exists) are taken from table IV. No distinction is made in the table headings in table B-4 (January) and table B-5 (July) and all related figures between virtual temperature and temperature.

From the coefficients of variation for pressure, density, and temperature (virtual temperature to the altitude where it exists), the correlation coefficients between these quantities are derived using Buell's method (see reference in text). The equations for these derived correlation coefficients are

$$r(P,T) = \frac{(C_V T)^2 + (C_V P)^2 - (C_V D)^2}{2[C_V T + C_V P]}$$
 (B-1)

$$r(P,D) = \frac{(C_V D)^2 - (C_V T)^2 + (C_V P)^2}{2[C_V D + C_V P]}$$
 (8-2)

$$r(T,D) = \frac{(C_V P)^2 - (C_V D)^2 - (C_V T)^2}{2[C_V T \cdot C_V D]}$$
(B-3)

The correlation coefficients in tables B-4 and B-5 are derived from the above equations.

A test for the validity of the derived correlation coefficients is that all three of the following inequalities be satisfied.

$$C_{V}P - [C_{V}D + C_{V}T] < 0$$

$$C_{V}D - [C_{V}T + C_{V}P] < 0$$

$$C_{V}T - [C_{V}P + C_{V}D] < 0$$
(B-4)

In these examples (tables B-4 and B-5) the numerical values from equation (B-4) are all negative; hence, the derived correlation test is considered valid. The rare exceptions to this test for several RRAs occur at the extreme highest altitudes, where samples sizes for the statistical sample are small.

The statistical parameters from table B-4 (January) and table B-5 (July) are illustrated in figures B-13 through B-16.

For all months the C_VP values are shown in figure B-17, the C_VD values are shown in figure B-18, and C_VT values are shown in figure B-19. If the abscissa on the figures for the coefficient of variation were multiplied by 100, these figures would show the percentage of the random dispersion of these quantities over the month with respect to the monthly mean for these thermodynamic quantities.

The derived correlation coefficients for all months are illustrated in the following figures:

- a) Figure B-20 gives r(P,D).
- b) Figure B-21 gives r(P,T).
- c) Figure B-22 gives r(T,D).

STATEMENT OF THE PROPERTY OF T

TABLE B-3

TABLE B-2

	N 912170 IN PERCENT	MONTH 1 RELATIVE TO	ANNUAL			912170 IN PERCENT	MONTH 7 RELATIVE T	O ANNUAL	
LEVEL	PRESSURE	DENSITY	TEMP.	TMO-TANN(DEG.K)	LEVEL	PRESSURE	DENSITY	TEMP.	TMO-TANN(DEG.K)
.000	.10	.52	- , 44	-1.32	.000	09	26	.19	.58
.111	.09	.52	42	-1.26	.111	09	-,26	. 19	.57
1.000	. 05	.47	42	-1.24	1.000	07	38	.27	.81
2.000	.01	. 25	24	70	2.000	04	21	. 16	.46
3.000	.00	05	. 05	. 15	3.000	03	01	01	03
4.000	.01	09	.09	. 25	4.000	04	.11	16	44
5.000	50.	07	.09	بانغ .	5.000	07	. 14	21	57
6.000	.03	02	. 05	. 14	6.000	09	.09	18	-,48
7.000	.04	05	.10	.25	7.000	11	.03	13	ر:3 -
8.000	.06	08	. 14	. 36	8.000	13	.00	12	30
2.000	.09	.01	.12	. 30	9,000	- 14	02	- !!	A5. ~
10.000	.09	05	. 14	. 34	10.000	16	05	13	31
11.000		08	.19	.43	11.000	18	.00	20	46
12.000		09	.23	.52	12.000	22	.06	28	63
13.000		07	.28	.60	13.000	27	.10	36	78
14.000		08	.31	.65	14.000	-,34	.11	44	- 91
15.000		. 13	. 16	. 33	15.000	40	.04	- 44	38
16.000		.65	42	81	16.000	44	55	.09	. 18
17.000		2.00	-1.87	-3.51	17.000	22	-2.53	2.39	4,52
18.000		2.05	-2.35	~4.60	18.000	. 24	-2.76	3.06	5.99
19.000		. 95	-1.57	-3.15	19.000	.68	-1.47	2.19	4.40
20.000		01	86	-1.78	20.000	.97	39	1.36	2.80
21.000		20	81	-1.69	21.000	1.16	.20	.94	1.98
22.000		49	64	-1.37	22.000	1.28	.63	.65	1.39
23.000		67	5 5	-1.19	23.000	1.37	.88	.47	1.02
24.000		77	52	-1.14	24.000	1.45	1.00	. 44	. 95
25.000		71	~.69	-1.51	25.000	1.50	1.21	.29	.63
26.000		70	82	-1.92	26.000	1.53	1.36	.17	.53.
27.000		72	93	-2.09	27.000	1.55	1.50	. 05	.12
28.000		75	-1.03	-2.34	28.000	1.56	1.52	.06	.13
29.000		89	-1.05	-2.41	23.000	1.57	1.68	11	- 25
30 000		- 98	-1 08	-2.49	30.000	1.54	1.80	25	57

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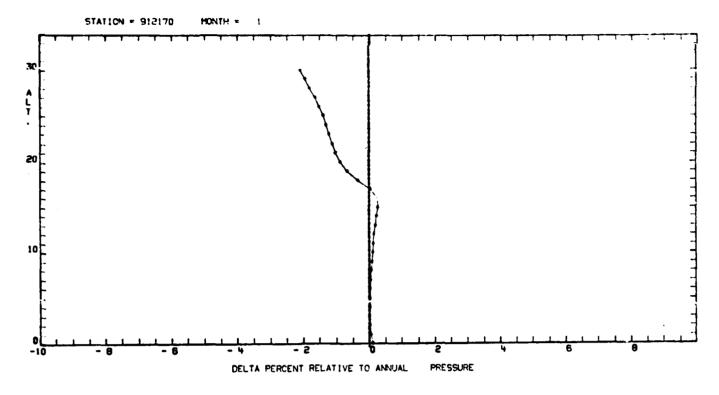


Fig. B-1.

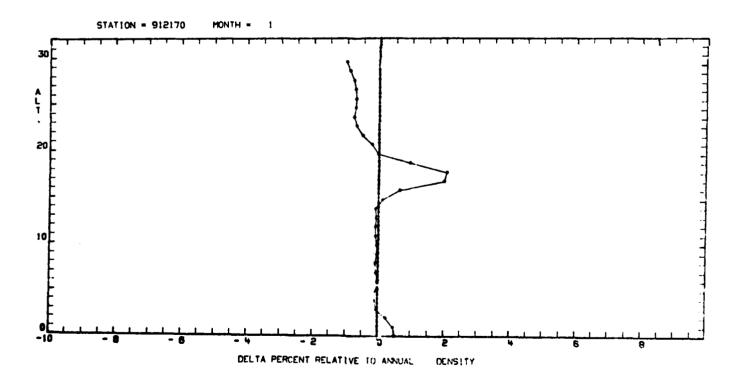


Fig. B-2.

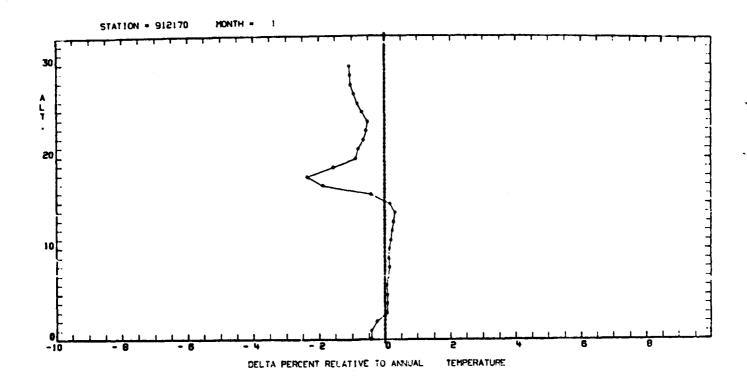


Fig. 8-3.

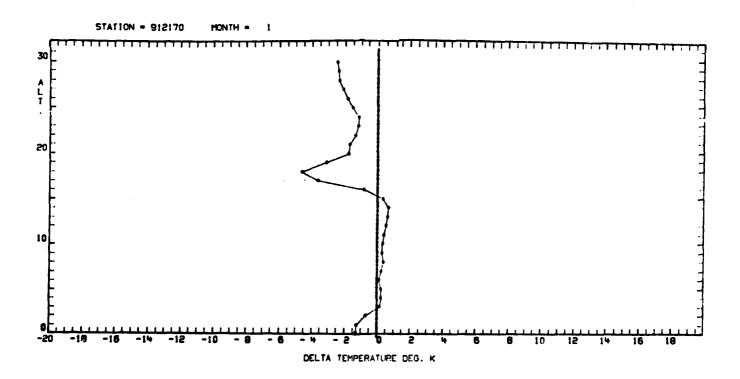


Fig. B-4.

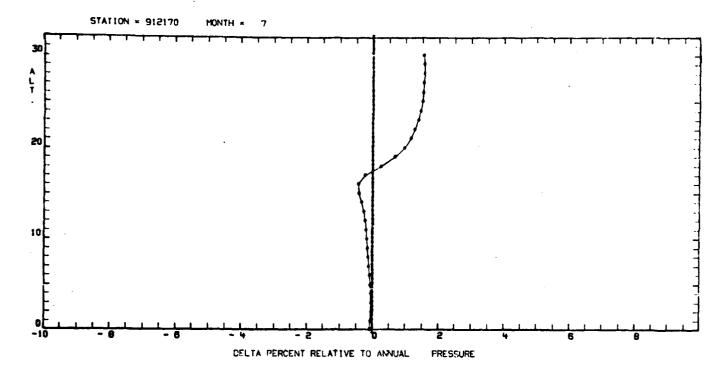
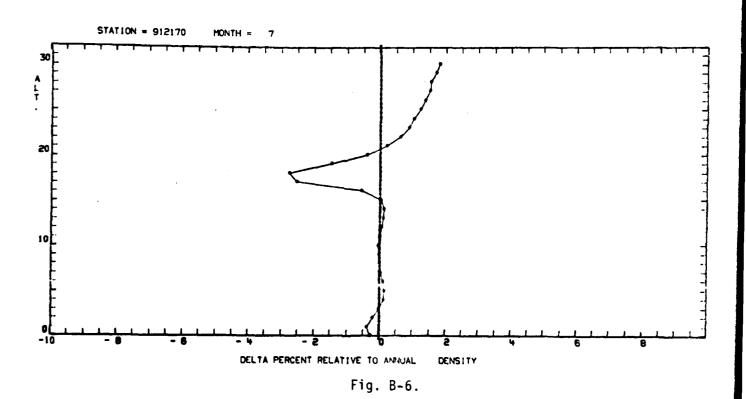


Fig. B-5.



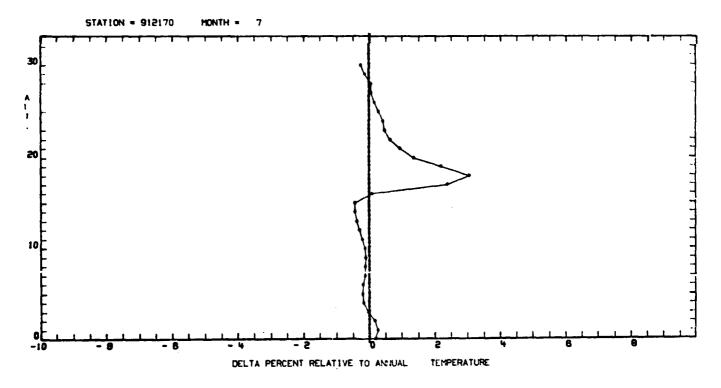


Fig. B-7.

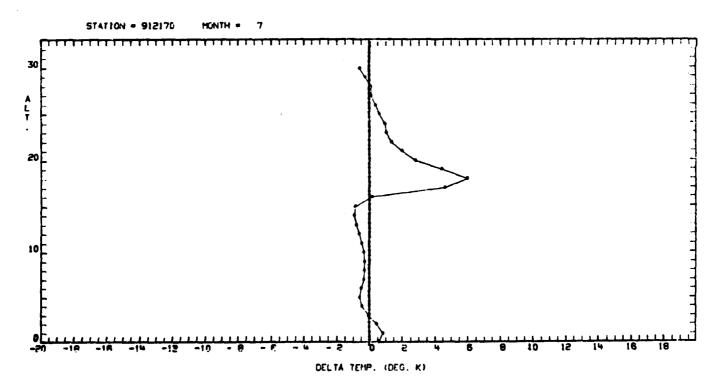


Fig. B-8.

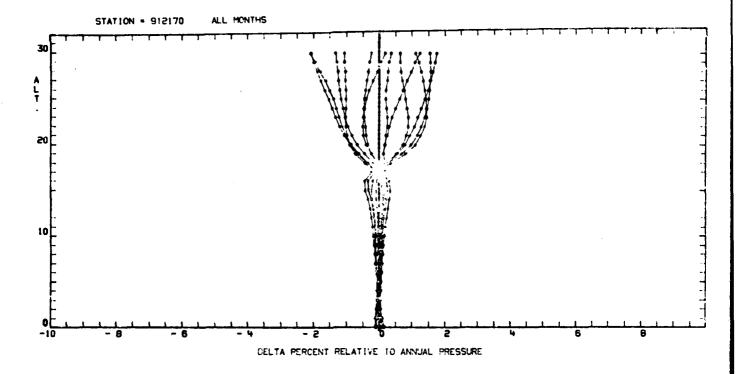


Fig. B-9.

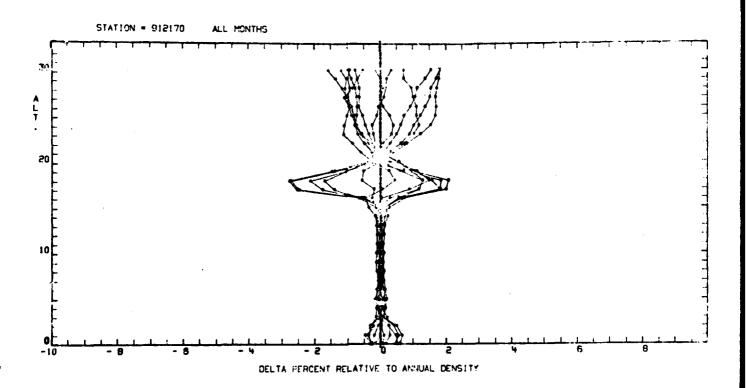


Fig. B-10.

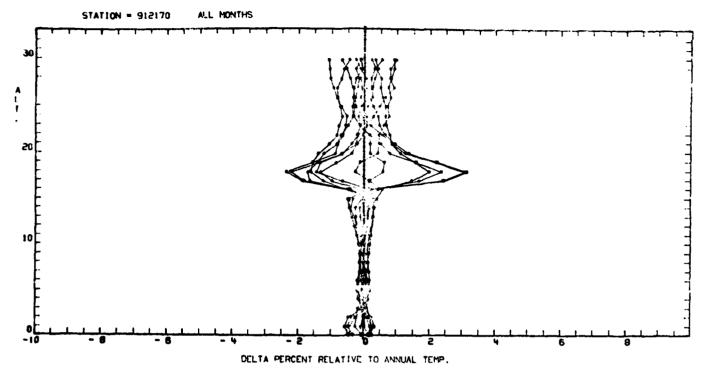


Fig. B-11.

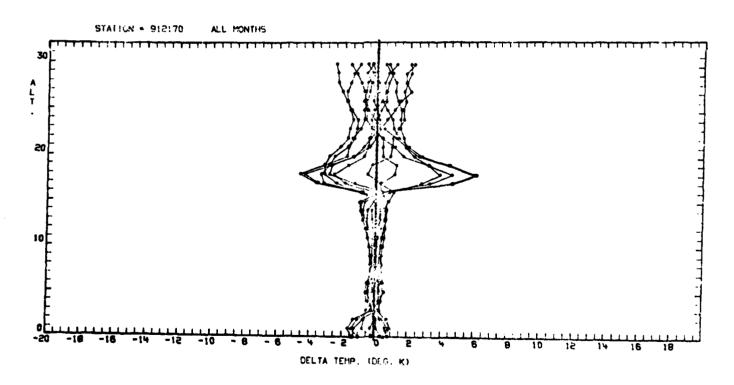


Fig. B-12.

TABLE B-4

STATION 9	CVP CVP	TH L CVD	CVT	R(P,T)	R(P,D)	R(T,D)	DCAb	DCVD	DC''T
.000	.0022	.0057	.0052	0166	.4006	9229	0087	0017	0027
.111	.0022	.0054	. 0050	.0099	. 7973	9137	0692	30:8	0027
1.000	.0021	.0048	. 0039	1983	.5598	9032	0066	5:30	0030
₽.00 0	.0020	.0063	. ;;360	.6418	1,181	- , 9457	01 ·	.05114	AL PR
3.000	.000%	.0053	, nu53	.2092	. 1669	- ,9163	- , 0(1) (4	(0)	* / Jan 1
4.000	.0024	. 0050	.0051	.2834	. 1695	8879	00 .7	00c5	+ , Uf - f
5.000	.0026	.0046	.0049	.35.83	. 1922	8473	+.00t-8	00:::	502
6.000	.0029	.0052 .0046	.0051 .0051	.2590 .4479	. 3073 . 1687	8396 8057	007 3 0966	002 8 0035	0030 6026
7.000 8.000	.0031 .0634	.0042	.0057	.5101	.2473	7073	0054	00+ 0	0029
9.000	.0037	.0039	.0047	.5808	.2713	6259	00+8	0044	0140
10.500	.0037	.65%;	. 10//5	.5075	.2071		- 0 - 0	- namn	- BORR
11.000	.0046	.0037	.0051	.7188	.2614	4832	0041	0000	003?
12.000	.0051	.0034	. 0053	.7866	.207	3819	0 035	0070	0032
13.000	.0060	.0040	.0060	.7699	.3433	3352	00+0	0079	.00111
14.000	. 0065	.0051	. 2070	.7143	. 3083	4455	0055	0084	0047
15.000	.0075	.0063	.0073	.6391	. 4497	3996	0051	0025	005/3
16.000	. 0 082	.0080	.0086	.5484	4791	5114	0084	0388	0076
17.000	.0020	.0123	.0113	.2889	.4693	7099	0;-6	0091	0100
18.000	.0095	.0187	.0152	1039	.5913	8635	0244	0350	0130
19.600	.0091	.0173	.0149	.0155	.5105	8519	0231	0566 art. 3	0115 0125
20.000	.0092	.0166	.0133	0594	.6018	8330 7530	0207 015:	.0.70	0111
21.000	.0090	.0136	.011 5 .011 7	.1482 .2731	.5442 .486 8	7074	0151	0083	01.5
22.000	.0095 .0101	.01 <i>2</i> 9 .0124	.0119	.3800	.4520	6534	0142	0037	0106
23.000 24.000	.0104	.0198	.0108	.4861	.4761	5371	0112	0105	0103
25.000	.0114	.0109	.0103	.5049	.5721	4191	0099	0109	0120
26.000	.0123	.0165	.0097	.3776	.6919	4073	00.3	00 96	0151
27.000	.0134	.0133	.0094	.3570	.7496	3406	+.0093	0096	0172
28.000	.0136	.0135	.0091	.3520	.7745	3195	0099	0093	4180
29.000	.0144	.0148	.0110	. 3413	.7162	4115	0:15	0106	0183
30.000	.0146	.0153	.0107	.2903	.7442	4153	0114	0100	0192
				TAD	LE B- 5				
				IAD	LE D-U				
	313130 40								
STATION S	912170 MO CVP	NTH 7 CVD	CVT	R(P,T)	R(P,D)	R(T,D)	DCVP	CVO	DCVT
			CVT		•	R(T,D) 9619	DCVP 0112	DCVD 9016	
LEVEL	CVP	CVD		R(P,T)	R(P,D)		_		DCVT 0021 0020
LEVEL .000	CVP .0018	.0066 .0062 .0031	. 0064	R(P,T)	R(P,D)	9619	0112	0016	0021
.000 .111 1.000 2.000	.0018 .0018 .0019 .0019	.0066 .0062 .0031 .0034	.0064 .0060 .0025 .0030	R(P,T) .0057 .0505 .0384 .1029	R(P,D) .2680 .2432 .5811 .4654	9619 9565 7909 8325	0112 0104 0037 0045	0016 0016 0013 0015	0021 0020 0025 0023
.000 .111 1.000 2.000 3.000	.0018 .0018 .0019 .0019 .0019	.0066 .0062 .0031 .0034 .0033	.0064 .0060 .0025 .0030	R(P,T) .0057 .0505 .0384 .1029 .2225	R(P,D) .2680 .2432 .5811 .4654 .3783	9619 9565 7909 8325 8183	0112 0104 0037 0045 0044	0016 0016 0013 0015 0018	0021 0020 0025 0023 0021
.000 .111 1.000 2.000 3.000 4.000	CVP .0018 .0018 .0019 .0019 .0019	.0066 .0062 .0031 .0034 .0033	.0064 .0060 .0025 .0030 .0031	R(P,T) .0057 .0505 .0384 .1029 .2225 .2498	R(P,D) .2680 .2432 .5811 .4654 .3783 .4498	9619 9565 7909 8325 8183 7525	0112 0104 0037 0045 0044 0040	0016 0016 0013 0015 0018 0019	0021 0020 0025 0023 0021 002-
.000 .111 1.000 2.000 3.000 4.000 5.000	.0018 .0018 .0019 .0019 .0019 .0022	.0066 .0062 .0031 .0034 .0033 .0032	.0064 .0060 .0025 .0030 .0031 .0030	R(P,T) .0057 .0505 .0384 .1029 .2225 .2498 .1827	R(P,D) .2680 .2432 .5811 .4554 .3783 .4498 .4630	9619 9565 7909 8325 8183 7525 7726	0112 0104 0037 0045 0044 0040	0016 0016 0013 0015 0018 0019	0021 0020 0025 0023 0021 002- 0027
.000 .111 1.000 2.000 3.000 4.000 5.000 6.000	CVP .0018 .0019 .0019 .0019 .0022 .0023	.0056 .0062 .0031 .0034 .0033 .0035 .0035	.0064 .0060 .0025 .0030 .0031 .0030 .0031	R(P,T) .0057 .0505 .0384 .1029 .2225 .2498 .1827 .2190	R(P,D) .2680 .2432 .5811 .4654 .3783 .4498 .4930 .3683	9619 9565 7909 8325 8183 7525 7726 8265	0112 0104 0037 0045 0044 0040 0044 0053	0016 0013 0013 0015 0018 0019 0019 0020	0021 0025 0025 0023 0021 002- 0027
.000 .111 1.000 2.000 3.000 4.000 5.000 5.000 7.000	CVP .0018 .0019 .0019 .0019 .0022 .0023 .0022	.0056 .0062 .0031 .0034 .0033 .0032 .0035 .0038	.0064 .0060 .0025 .0030 .0031 .0030 .0031 .0037	R(P,T) .0057 .0505 .0384 .1029 .2225 .2498 .1827 .2190	R(P,D) .2680 .2432 .5811 .4654 .3783 .4498 .4830 .3683	9619 9565 7909 8325 8183 7525 7726 8265 8295	0112 0104 0037 0045 0044 0040 0044 0053	0016 0013 0015 0018 0019 0019 0020	0021 0020 0025 0023 0021 0027 0027 0024 0023
.000 .111 1.000 2.000 3.000 4.000 5.000 5.000 7.000 8.000	CVP .0018 .0019 .0019 .0019 .0022 .0023 .0023 .0025 .0027	.0056 .0062 .0031 .0034 .0033 .0032 .0035 .0035	.0064 .0060 .0025 .0030 .0031 .0030 .0031 .0037 .0043	R(P,T) .0057 .0505 .0384 .1029 .2225 .2498 .1827 .2190 .3578 .4594	R(P,D) .2680 .2432 .5811 .4654 .3783 .4498 .4630 .3683 .2247 .1229	9619 9565 7909 8325 8183 7525 7726 8265 8295 8251	0112 0104 0037 0045 0044 0040 0044 0053 0053 0058	0016 0016 0013 0015 0018 0019 0019 0020 0026 0031	0021 0025 0025 0023 0021 0024 0027 0023
.000 .111 1.000 2.000 3.000 4.000 5.000 6.000 7.000 9.000	CVP .0018 .0019 .0019 .0019 .0022 .0023 .0022 .0027 .0027	.0066 .0062 .0031 .0034 .0033 .0032 .0035 .0035 .0039	.0064 .0060 .0025 .0030 .0031 .0030 .0031 .0037 .0043	R(P,T) .0057 .0505 .0384 .1029 .2225 .2498 .1827 .2190 .3578 .4594 .5983	R(P,D) .2680 .2432 .5811 .4554 .3783 .4498 .4930 .3683 .2247 .1229	9619 9565 7909 8325 6183 7525 7726 8265 8295 8251 7907	0112 0104 0037 0045 0044 0040 0044 0053 0053 0058	0016 0016 0013 0015 0018 0019 0019 0020 0026 0031 0040	0021 0025 0025 0021 0021 0024 0027 0024 0023 0022 0022
.000 .111 1.000 2.000 3.000 4.000 5.000 6.000 7.000 8.000 9.000	CVP .0018 .0019 .0019 .0019 .0022 .0023 .0022 .0027 .0030	.0066 .0062 .0031 .0034 .0033 .0032 .0035 .0039 .0041 .0042	.0064 .0060 .0025 .0030 .0031 .0030 .0031 .0037 .0043 .0047	R(P,T) .0057 .0505 .0384 .1029 .2225 .2498 .1827 .2190 .3578 .4594 .5983	R(P,D) .2680 .2432 .5811 .4554 .3783 .4498 .4930 .3683 .2247 .1229 .0175	961995657909832561837525772682658295825179077849	0112 0104 0037 0045 0044 0040 0044 0053 0059 0058 0058	0016 0013 0013 0015 0018 0019 0020 0026 0031 0040	0021 0020 0025 0023 0021 0024 0027 0024 0023 0022 0020
.000 .111 1.000 2.000 3.000 5.000 5.000 7.000 8.000 9.000 12.030	CVP .0018 .0019 .0019 .0019 .0019 .0022 .0023 .0025 .0027 .0030 .0039	.0056 .0062 .0031 .0034 .0033 .0035 .0035 .0038 .0041 .0042 .0039 .0037	.0064 .0060 .0025 .0030 .0031 .0030 .0031 .0037 .0043 .0047 .0049	R(P,T) .0057 .0505 .0384 .1029 .2225 .2498 .1827 .2190 .3578 .4594 .5983 .6057	R(P,D) .2680 .2432 .5811 .4654 .3783 .4498 .4930 .3683 .2247 .1229 .0175 .65401011	9619 9565 7909 8325 8183 7525 7726 8265 8295 8251 7907 7649 7280	0112 0104 0037 0045 0040 0044 0053 0053 0053 0056 0054	0016 0013 0013 0015 0019 0019 0026 0026 0031 0040 0049 0058	0021 0020 0025 0023 0021 0024 0027 0024 0023 0028 0020 0020 0020
.000 .111 1.000 2.000 3.000 4.000 5.000 7.000 8.000 9.000 11.000 12.000	CVP .0018 .0019 .0019 .0019 .0022 .0023 .0022 .0025 .0027 .0030 .0021 .0039	.0056 .0062 .0031 .0034 .0033 .0032 .0035 .0038 .0041 .0042 .0039 .0037	.0064 .0060 .0025 .0030 .0031 .0030 .0031 .0037 .0043 .0047 .0049	R(P,T) .0057 .0505 .0384 .1029 .2225 .2498 .1827 .2190 .3578 .4594 .5983 .6057 .7556	R(P,D) .2680 .2432 .5811 .4654 .3783 .4498 .4830 .3683 .2247 .1229 .0175 - n64010110339	9619 9565 7909 8325 8183 7525 7726 8265 8295 8251 7907 7949 7280 6162	0112 0104 0037 0045 0044 0040 0053 0053 0053 0053 0054 0054	0016 0013 0015 0018 0019 0019 0020 0026 0031 0040 0058 0070	0021 0025 0023 0021 0021 0024 0023 0022 0020 0020 0020 0020
.000 .111 1.000 2.000 3.000 4.000 5.000 6.000 7.000 8.000 9.000 12.000 12.000 13.000	CVP .0018 .0019 .0019 .0019 .0022 .0023 .0025 .0027 .0030 .0027 .0030 .0039 .0046	.0056 .0062 .0031 .0034 .0033 .0032 .0035 .0038 .0041 .0042 .0039 .0037 .0037	.0064 .0060 .0025 .0030 .0031 .0030 .0031 .0037 .0043 .0047 .0049 .0052	R(P,T) .0057 .0505 .0384 .1029 .2225 .2498 .1827 .2190 .3578 .4594 .5983 .667 .7556 .8080	R(P,D) .2680 .2432 .5811 .4654 .3783 .4498 .4830 .3683 .2247 .1229 .0175 -,664010110339	961995657909832581837525772682658295825179077849728061625393	0112 0104 0037 0045 0044 0040 0053 0059 0058 0059 0054 0054 0054	0016 0016 0013 0015 0019 0019 0020 0026 0031 0040 0058 0070	0021 0025 0023 0021 0024 0024 0023 0023 0020 0020 0019 0032 0032
.000 .111 1.000 2.000 3.000 4.000 5.000 7.000 8.000 9.000 11.000 12.000	CVP .0018 .0019 .0019 .0019 .0022 .0023 .0022 .0025 .0027 .0030 .0021 .0039	.0056 .0062 .0031 .0034 .0033 .0032 .0035 .0038 .0041 .0042 .0039 .0037	.0064 .0060 .0025 .0030 .0031 .0030 .0031 .0037 .0043 .0047 .0049	R(P,T) .0057 .0505 .0384 .1029 .2225 .2498 .1827 .2190 .3578 .4594 .5983 .6057 .7556	R(P,D) .2680 .2432 .5811 .4654 .3783 .4498 .4830 .3683 .2247 .1229 .0175 - n64010110339	9619956579098325618375257726826582958251790774497280616253936396	0112 0104 0037 0045 0044 0040 0053 0059 0059 0059 0054 0054 0054	0016 0013 0015 0018 0019 0019 0020 0026 0031 0040 0058 0070	0021 0025 0025 0021 0024 0027 0028 0022 0020 0020 0019 0019 0034 0034
.000 .111 1.000 2.000 3.000 4.000 5.000 5.000 7.000 8.000 9.000 12.000 13.000 14.000	CVP .0018 .0019 .0019 .0019 .0022 .0023 .0023 .0027 .0030 .5027 .0039 .0046 .0055	.0056 .0062 .0031 .0034 .0033 .0032 .0035 .0039 .0041 .0042 .0039 .0037 .0037	.0064 .0060 .0025 .0030 .0031 .0030 .0031 .0037 .0047 .0049 .0052 .0056 .0058	R(P,T) .0057 .0505 .0384 .1029 .2225 .2498 .1827 .2190 .3578 .4594 .5983 .6057 .7556 .8080 .7572	R(P,D) .2680 .2432 .5811 .4554 .3783 .4498 .4930 .3683 .2247 .1229 .0175054010110339 .1+10	961995657909832581837525772682658295825179077849728061625393	0112 0104 0037 0045 0044 0040 0053 0059 0058 0059 0054 0054 0054	0016 0016 0013 0015 0019 0019 0020 0020 0031 0040 0031 0040 0070 0070 0070	0021 0025 0023 0021 0024 0024 0023 0023 0020 0020 0019 0032 0032
.000 .111 1.000 2.000 3.000 4.000 5.000 6.000 7.000 8.000 9.000 12.000 14.000 14.000	CVP .0018 .0019 .0019 .0019 .0022 .0023 .0022 .0025 .0027 .0030 .0021 .0039 .0046 .0055 .0060 .0067	.0056 .0062 .0031 .0034 .0033 .0035 .0035 .0038 .0041 .0042 .0039 .0037 .0034 .0042 .0046	.0064 .0060 .0025 .0030 .0031 .0030 .0031 .0037 .0043 .0047 .0049 .0052 .0056 .0059	R(P,T) .0057 .0505 .0384 .1029 .2225 .2498 .1827 .2190 .3578 .4594 .5983 .5983 .5987 .7556 .8080 .7572 .6°90 .4452	R(P,D) .2680 .2432 .5811 .4654 .3783 .4498 .4930 .3683 .2247 .1229 .0175 -0640 -11011 -0339 .1+10 .1301 .3132 .4130 .5772	96199565790983256183752577268265829582517907744972806162539963957110	0112 0104 0037 0045 0044 0053 0053 0058 0059 0054 0054 0054 0054 0054 0054	0016 0013 0013 0019 0019 0020 0026 0031 0040 0058 0070 0070	0021 0025 0025 0021 0021 0024 0027 0028 0020 0020 0020 0020 0034 0034 0040 0040
.000 .111 1.000 2.000 3.000 4.000 5.000 6.000 7.000 8.000 12.000 12.000 13.000 14.000 15.000 15.000 15.000 15.000	CVP .0018 .0019 .0019 .0019 .0022 .0023 .0025 .0027 .0030 .0039 .0046 .0055 .0060 .0067 .0073 .0074 .0076	.0056 .0062 .0031 .0034 .0033 .0035 .0035 .0038 .0041 .0042 .0039 .0037 .0034 .0042 .0059 .0066 .0143	.0064 .0060 .0025 .0030 .0031 .0030 .0031 .0037 .0043 .0047 .0049 .0052 .0058 .0064 .0078 .0078	R(P,T) .0057 .0505 .0384 .1029 .2225 .2498 .1827 .2190 .3578 .4594 .5983 .6057 .7556 .8080 .7572 .6°90 .4452 .1084 -1386 -0277	R(P,D) .2680 .2432 .5811 .4654 .3783 .4498 .4930 .3683 .2247 .1229 .0175064010110339 .1+10 .1301 .3132 .4130 .5772 .6002	96199565790983258183752577268265829582517907764972806162539963967110850688877775	0112 0104 0037 0045 0044 0040 0053 0059 0058 0059 0054 0054 0054 0054 0050 0050 0051 0201 0201 0217	0016 0013 0015 0019 0019 0020 0026 0031 0040 0058 0070 0070 0071 0061 0073	0021 0025 0025 0021 0024 0023 0023 0023 0020 0019 0036 0036 0040 0040 0040 0040 0040
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.000 .111 1.000 2.000 3.000 5.000 6.000 7.000 8.000 10.000 11.000 12.000 14.000 15.000 17.000 16.000 17.000 19.000	CVP .0018 .0019 .0019 .0019 .0019 .0022 .0023 .0025 .0027 .0030 .0055 .0060 .0067 .0073 .0074 .0078	.0056 .0062 .0031 .0034 .0033 .0035 .0035 .0038 .0041 .0042 .0039 .0037 .0037 .0034 .0042 .0059 .0059	.0064 .0060 .0025 .0030 .0031 .0030 .0031 .0037 .0047 .0049 .0052 .0056 .0058 .0058 .0064 .0078 .0091 .0131 .0131 .0092 .0088	R(P,T) .0057 .0505 .0384 .1029 .2225 .2498 .1827 .2190 .3578 .4594 .5983 .6057 .7556 .8080 .7572 .6090 .4452 .1084 -1386 -0277 .1512	R(P,D) .2680 .2432 .5811 .4654 .3783 .4498 .4930 .3683 .2247 .1229 .0175054010110339 .1+10 .1301 .3132 .4130 .5772 .6002 .5520 .5103	9619956579098325618375257726826582958251790774497280616253936395711085068987777574086720	0112 0104 0037 0045 0040 0040 0053 0059 0059 0059 0054 0075 0075 0075 0110 0201 0217 0137 0121	0016001300150018001900190020002600310040004900580070007600710071007300610075006100750061	0021 0025 0027 0021 0024 0027 0028 0020 0020 0020 0020 0034 0040 0040 0040 0040 0040 0040 0040 0040 0040 0040 0040
111 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	CVP .0018 .0019 .0019 .0019 .0019 .0022 .0023 .0026 .0027 .0030 .0027 .0039 .0046 .0055 .0060 .0067 .0073 .0074 .0078 .0071	.0056 .0062 .0031 .0034 .0033 .0035 .0039 .0041 .0042 .0039 .0037 .0034 .0042 .0059 .0059 .0065 .0143 .0159 .0101	.0064 .0060 .0025 .0030 .0031 .0037 .0043 .0047 .0049 .0056 .0058 .0064 .0078 .0091 .0131 .0131 .0092 .0098	R(P,T) .0057 .0505 .0384 .1029 .2225 .2498 .1827 .2190 .3578 .4594 .5983 .6057 .7556 .8080 .7572 .6090 .4452 .1084 -1386 -0277 .1512 .2862 .2218	R(P,D) .2680 .2432 .5811 .4554 .3783 .4498 .4930 .3683 .2247 .1229 .0175 -,0540 -,1011 -,0339 .1+10 .1301 .3132 .4130 .5772 .5002 .5530 .5137	9619 9565 7909 8325 8183 7525 7726 8265 8251 7907 7449 7280 6162 5393 6395 7110 8506 8887 7775 7408 6720 6338	0112 0104 0037 0045 0044 0053 0053 0053 0054 0054 0054 0057 0054 0075 0110 0211 0217 0137 0137 0137	0016 0013 0015 0018 0019 0019 0020 0026 0031 0040 0070 0070 0070 0076 0061 0051 0061 0051	0021002500250027002700270028002800200020003600360040004000400056004000560056
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.000 .111 1.000 2.000 3.000 4.000 5.000 6.000 7.000 8.000 9.000 12.000 14.000 14.000 15.000 16.000 17.000 19.000 21.000 21.000 23.000 24.000	CVP .0018 .0019 .0019 .0019 .0019 .0022 .0023 .0025 .0027 .0030 .0039 .0046 .0055 .0060 .0067 .0073 .0074 .0076 .0071 .0078 .0077 .0090 .0083	.0056 .0062 .0031 .0034 .0033 .0035 .0035 .0038 .0041 .0042 .0039 .0037 .0034 .0042 .0059 .0059 .0143 .0159 .0161 .0104 .0101 .0101 .0101	.0064 .0060 .0025 .0030 .0031 .0030 .0031 .0037 .0043 .0047 .0049 .0052 .0058 .0064 .0078 .0091 .0131 .0131 .0092 .0098 .0099 .0099 .0099	R(P,T) .0057 .0505 .0505 .0508 .1029 .2225 .2498 .1827 .2190 .3578 .4594 .5983 .5983 .5987 .7556 .8080 .7572 .6°90 .4452 .1084 -13860277 .1512 .2862 .218 .1493 .1269 .20+2	R(P,D) .2680 .2432 .5811 .4654 .3783 .4498 .4930 .3683 .2247 .1229 .0175 -,064010110339 .1+10 .1301 .3132 .4130 .5772 .6002 .5520 .5137 .6406 .6516	9519956579098325618375257726826582958251790778497280616253996396711065068887777574086720633870206338702063046095	0112 0104 0037 0045 0044 0053 0058 0058 0059 0054 0054 0054 0075 0110 0201 0217 0137 0137 0137 0137 0137 0131 0137 0121 0137 0121 0137 0137 0121 0137 0121 0137 0121 0137	0016001300150018001900190020002000310040003100400058007000730076007600760076007600760076007600760076007600760076007600760076007600760076007600760076007600760076007600760076	0021002500250027002700270028002800200020003600460046004600460046004600460046004600460046004600460046004600460046004600460046004600460046004600460046004600460046004600460046004600460046004600460046004600460046004600460046004600460046004600460046004600460046004600460046004600460046004600460046004600460046004600460046004600460046004600460046004600460046004600460046004600460046004600460046004600460046004600460046004600460046004600460046004600460046004600460046004600460046004600460046004600460046004600460046004600460046004600460046004600460046004600460046004600460046004600460046004600460046004600460046004600460046004600460046004600460046004600460046004600460046004600460046004600460046004600460046004600460046004600460046004600460046004600460046004600460046004600460046004600460046004600460046004600460046004600460046004600460046004600460046004600460046004600460046004600460046004600460046004600460046004600460046004600460046004600460046004600460046004600460046004600460046004600460046004600460046004600460046004600460046004600460046004600460046004600460046004600460046004600460046004600460046004600460046004600460046004600460046004600460046004600460046004600460046
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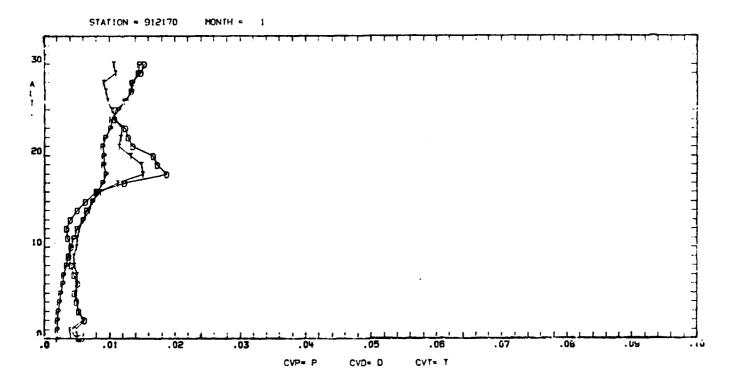


Fig. B-13.

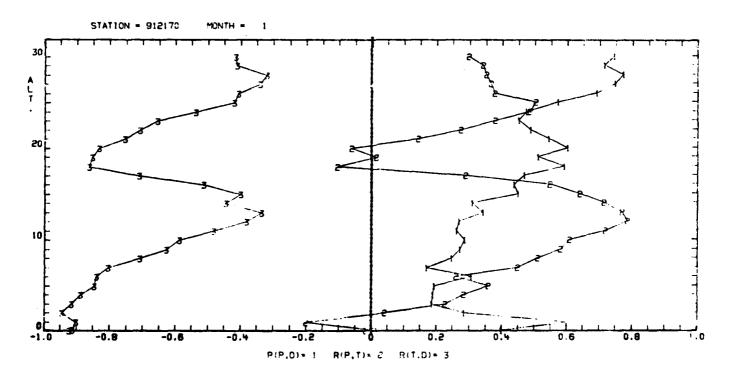


Fig. B-14.

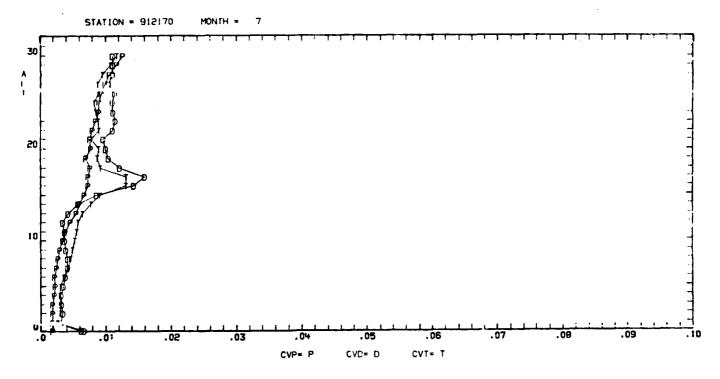


Fig. B-15.

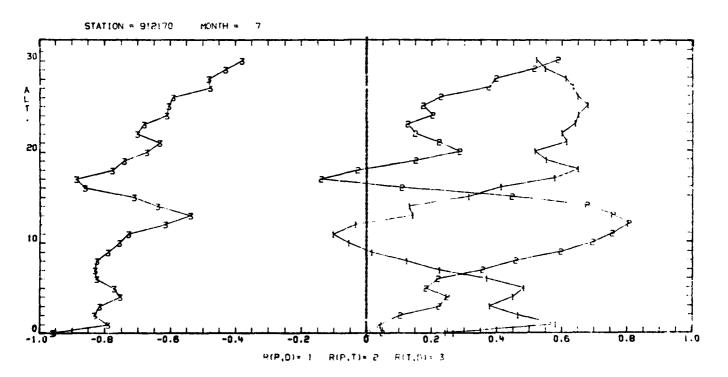


Fig. B-16.

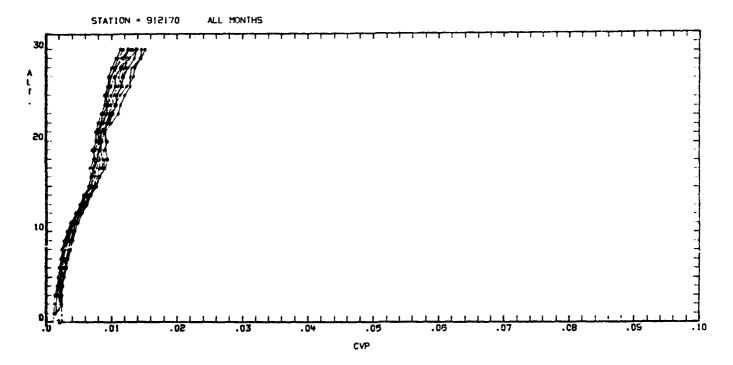


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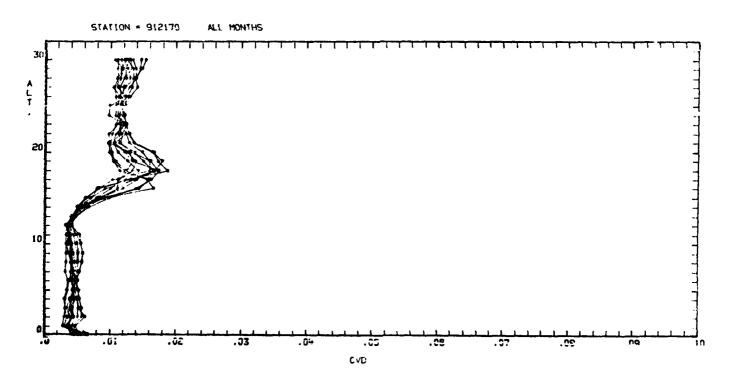


Fig. B-18.

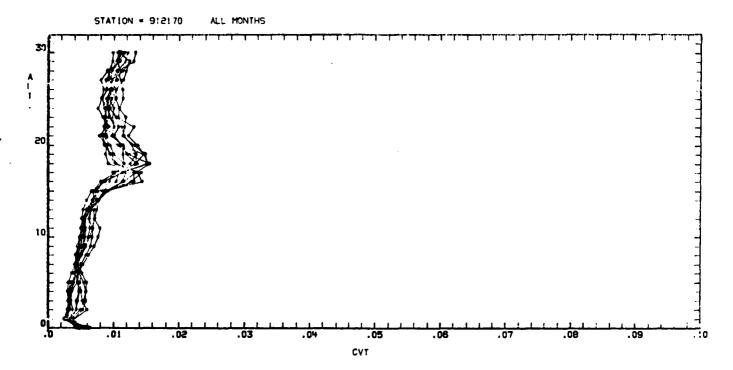


Fig. B-19.

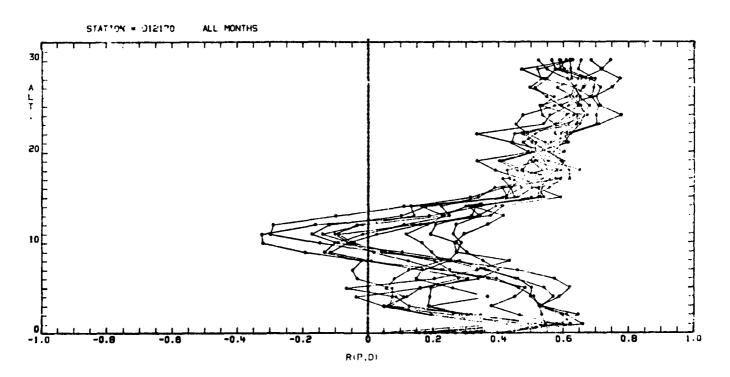


Fig. B-20.

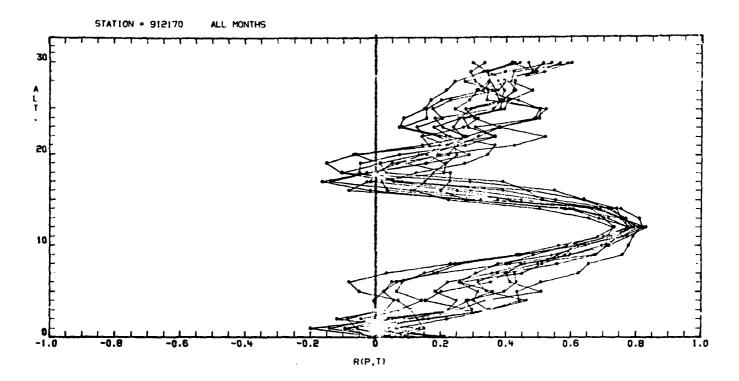


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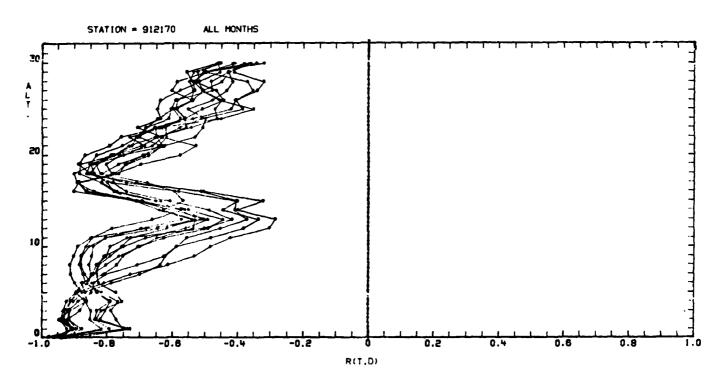


Fig. B-22.